

**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE,
BHADRAWATI, DISTRICT-CHANDRAPUR,
MAHARASHTRA, INDIA
PIN CODE: 442902.**

Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.

**NAAC Accredited with “ B” Grade
UGC Recognised 2(f) and 12 (B) Status**

**RE-ACCREDITATION REPORT-2009
(RAR - 2009)**

OCTOBER -2009

**NILKANTHRAO SHINDE SCIENCE AND ARTS COLLEGE,
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RE-ACCREDITATION REPORT -2009

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Part I: Institutional Data

A) Profile of the College

1. Name and address of the college:

Name :	Nilkanthrao Shinde Science and Arts College		
Address :	Main Road, Bhadrawati		
City :	Bhadrawati	District:	Chandrapur
		State:	Maharashtra
Pin code:	442 902		
Website:	http/ www.nscollege.co.in		

2. For communication:

Office

Name	Area/ STD code	Tel. No.	Fax No.	E-mail
Principal Dr K. D. Thengane	07175	265538	266043	thenganekd@yahoo.com
Vice Principal -	-	-	-	-
Steering Committee Coordinator N.S.Wadhav	-	-	-	wadhavens@rediffmail.com

Residence

Name	Area/ STD code	Tel. No.	Mobile No.
Principal Dr.K.D.Thengane	07175	266213	9011590971
Vice Principal --	-	-	-
Steering Committee Coordinator : N.S.Wadhve	-	-	9975024641

3. Type of Institution:

- a. By management
- i. Affiliated College
 - ii. Constituent College
- b. By funding
- i. Government
 - ii. Grant-in-aid
 - iii. Self-financed
 - iv. Any other
(Specify the type)
- c. By Gender
- i. For Men
 - ii. For Women
 - iii. Co-education

4. Is it a recognized minority institution? Yes No

If yes specify the minority status (Religious/linguistic/ any other)
(Provide the necessary supporting documents)

5. a) Date of establishment of the college:

Date	Month	Year
21	06	1993

b) University to which the college is affiliated : Rashtrasant Tukdoji
 (If it is an affiliated college) Maharaj Nagpur University, Nagpur
 or which governs the college (If it is an constituent college) No

6. Date of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	15-11-2007	Copy attached
ii. 12 (B)	August 2009	Copy attached

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

7. Does the University Act provide for autonomy of Affiliated / Constituent Colleges?

Yes No

If yes, has the college applied for autonomy?

Yes No

8. Campus area in acres / Sq. mts : Building Campus : 0.31 HR

Play ground -separate : 2 acre

9. Location of the college: (based on Govt. of India census)

- Urban
- Semi-urban
- Rural
- Tribal
- Hilly area
- Any other (specify)

10. Details of programmes offered by the institution: (Give last year's data) :

Year : 2008-09

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium Of instruction	Sanctioned Student Strength	Number of students admitted
i)	Under-graduate	B.A. B.Sc.	03 years 03 years	Std.XII pass	Marathi English	1100 440	648 244
ii)	Post-graduate	M.A. M.Sc.	02 Years 02 Years	B.A.Pass B.Sc.Pass	Marathi English	1280 252	77 46
iii)	M.Phil	Nil	Nil	Nil	Nil	Nil	Nil
iv)	Ph. D.	Nil	Nil	Nil	Nil	Nil	Nil
v)	Certificate course	Nil	Nil	Nil	Nil	Nil	Nil
vi)	UG Diploma	Nil	Nil	Nil	Nil	Nil	Nil
vii)	PG Diploma	PGDCCA	01 Year	Degree	English	60	05
viii)	Any Other (specify)	-	-	-	-	-	-

(Additional rows may be inserted as per requirement)

11. List the departments:

Science
Departments: (For e.g. Chemistry, Botany, Physics ...) Mathematics, Physics, Chemistry, Zoology, Botany, Microbiology, Computer Science.
Arts (Language and Social sciences included)
Departments: Marathi, English, Political Science, Sociology, Economics, History, Geography, Home Economics, Fashion Design.
Commerce Nil
Departments:
Any Other (Specify) PGDCCA

12. Unit Cost of Education (2008- 09)

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

$$(a) \text{ including the salary component} = \frac{5368225}{1021} \square 5257/- \quad \text{per student}$$

$$(b) \text{ excluding the salary component} = \frac{3357807}{1021} \square 3288/- \quad \text{per student}$$

B) Criterion-wise Inputs

Criterion I: Curricular Aspects

1. Does the College have a stated
Vision?

Yes	√	No	
-----	---	----	--

Mission?

Yes	√	No	
-----	---	----	--

Objectives?

Yes	√	No	
-----	---	----	--

2. Does the college offer self-financed Programmes? Yes No

If yes, how many ?

B.A.-Stream

UG = 03

B.Sc. (0 2) -

PG = 12

(Microbiology & Computer Science)

PGDCCA = 01

Fee charged for each programme (include Certificate , Diploma, Add-on courses etc.)

PG : MA – 08 Subjects

M.Sc.- 04 subjects

Sr.No.	Programme (B.Sc., B.Com. etc.)	Fee Charged in Rs.
1.	B.Sc. I B.Sc.II,III	3686=00 4686=00
2.	M.Sc. Maths Physics Chemistry Zoology	10319=00 17319=00 16319=00 16319=00
3.	B.A.	686=00
4.	M.A. Geo H. Eco Marathi Eng Pol.Sci Soc. Eco History	7419=00 6419=00 5819=00 5819=00 5819=00 5819=00 5819=00 5819=00
5.	PGDCCA	9000=00

3. Number of Programmes offered under
- a. annual system 5 (B.A., B.Sc., M.A., M.Sc, PGDCCA)
- b. semester system

-

- c. trimester system

-

4. Programmes with
- a. choice based credit system

Yes	√	No		Number	4
-----	---	----	--	--------	---
- b. Inter/multidisciplinary approach

Yes		No	√	Number	-
-----	--	----	---	--------	---
- c. Any other, specify

Yes		No	√	Number	-
-----	--	----	---	--------	---
5. Are there Programmes where assessment of teachers by students is practiced?

Yes	√	No		Number	-
-----	---	----	--	--------	---
6. Are there Programmes taught only by visiting faculty?

Yes		No	√	Number	-
-----	--	----	---	--------	---
7. New programmes introduced during the last five years

UG	Yes	√	No		Number	02
PG	Yes	√	No		Number	06
Others (specify)	Yes		No	√	Number	

8. How long does it take for the institution to introduce a new programme within the existing system?

One Year

9. Does the institution develop and deploy action plans for effective implementation of the curriculum?

Yes	√	No	-
-----	---	----	---

10. Was there major syllabus revision during the last five years? If yes, indicate the number.

Yes		No	√	Number	
-----	--	----	---	--------	--

11. Is there a provision for Project work etc. in the programme? If yes, indicate the number.

Yes		No	√	Number	01
-----	--	----	---	--------	----

12. Is there any mechanism to obtain feedback on curricular aspects from

a. Academic Peers?

Yes		No	√
-----	--	----	---

b. Alumni?

Yes		No	√
-----	--	----	---

c. Students?	Yes	√	No	
d. Employers?	Yes	√	No	
e. Any other?	Yes		No	√

Criterion II: Teaching-Learning and Evaluation

1. How are students selected for admission to various courses?

- a) Through an entrance test developed by the institution
- b) Common entrance test conducted by the University/Government
- c) Through interview
- d) Entrance test and interview
- e) Merit at the previous qualifying examination
- f) Any other (specify) Marks obtained at qualifying exam.

(If more than one method is followed, kindly specify the weightages) 50 : 50 weightage is given

2. Highest and Lowest percentage of marks at the qualifying examination

considered for admission during the previous academic year (2008-2009)

Programmes (UG and PG)	Open category		SC/ST category		Any other (specify) OBC/NT	
	Highest (%)	Lowest (%)	Highest (%)	Lowest (%)	Highest (%)	Lowest (%)
UG						
B.Sc.	53.00	37.00	70.67/ Nil	36.33/ Nil	86.5 / 52.17	38.00 / 38.50
B.A.	72.50	42.33	73.17/ 72.00	36.00/ 38.33	72.33 / 70.17	36.33 / 37.67
PG						
M.Sc.	73.50	47.18	59.7/Nil	43.77/ Nil	60.96/ Nil	44.81/ Nil
M.A.	46.86	41.20	57.40/ 58.60	38.13/ 41.86	54.33/ Nil	37.00/ Nil
PGDCCA	Nil	Nil	66.33/ Nil	40.53/ Nil	65.93/ Nil	Nil/ Nil

3. Number of working days during the last academic year

286

4. Number of teaching days during the last academic year

213

5.	Number of positions sanctioned and filled	Sanctioned / Filled		
	Teaching	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">35</td> <td style="text-align: center;">16</td> </tr> </table>	35	16
35	16			
	Non-teaching	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">16</td> <td style="text-align: center;">16</td> </tr> </table>	16	16
16	16			
	Technical	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> </table>	-	-
-	-			

6. a. Number of regular and permanent teachers (gender-wise) : 14

Professors(Prof. Grade
Principal)

M	01	F	-
---	----	---	---

Readers

M	-	F	-
---	---	---	---

Sr. Grade lecturers

M	-	F	-
---	---	---	---

Lecturers

M	12	F	1
---	----	---	---

b. Number of teachers
(Gender wise) Temporary

Lecturers-

Full time

(Contract) 02 M - F 2

Lecturers –

Part Time M - F -

Lecturers

M - F -

(Management

Appointees) Full
time

Lecturers

(Management M 11 F 10
appointees)

21 C.H.B

Any Other

M - F -

Total

M 24 F 13

C	Number of teachers	From the same state	36
		From other state	01

M – Male F – Female

7.	a.	Number of qualified/ permanent teachers and their percentage to the total number of faculty	<table border="1"><tr><td>14</td><td>37.83</td></tr></table>	14	37.83
14	37.83				
	b.	Teacher: student ratio	<table border="1"><tr><td>37 : 1021</td></tr></table>	37 : 1021	
37 : 1021					
	c.	Number of teachers with Ph.D. as the highest qualification and their percentage to the total faculty strength	<table border="1"><tr><td>03</td><td>8.10</td></tr></table>	03	8.10
03	8.10				
	d.	Number of teachers with M. Phil as the highest qualification and their percentage to the total faculty strength	<table border="1"><tr><td>08</td><td>21.62</td></tr></table>	08	21.62
08	21.62				
	e.	Percentage of the teachers who have completed UGC, NET and SLET exams	<table border="1"><tr><td>2.70</td></tr></table>	2.70	
2.70					
	f.	Percentage of the faculty who have served as resource persons in Workshop/ Seminars/ Conferences during the last five years	<table border="1"><tr><td>0.00 %</td></tr></table>	0.00 %	
0.00 %					
	g.	Number of faculty development programmes availed by teachers (last five years)	1 2 3 4 5		

UGC/ FIP programme	<table border="1"><tr><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr></table>	-	-	-	-	-
-	-	-	-	-		
Refresher: 6	<table border="1"><tr><td>5</td><td>1</td><td></td><td></td><td></td></tr></table>	5	1			
5	1					
Orientation: 7	<table border="1"><tr><td>7</td><td></td><td></td><td></td><td></td></tr></table>	7				
7						
Any other (specify)	<table border="1"><tr><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr></table>	-	-	-	-	-
-	-	-	-	-		

h Number of faculty development programmes organized by the college during the last five years

Seminars/ workshops/symposia on curricular development, teaching- learning, assessment, etc.	1	2	3	4	5
	-	-	-	-	-
Research management	-	-	-	-	-
Invited/endowment lectures	-	-	-	-	-
Any other (specify)	-	-	-	-	-

8. Number and percentage of the courses where predominantly the lecture method is practiced	Number	%
	5	100

B.A, B.Sc., M.A.,
M.Sc., PGDCCA

9. Does the college have the tutor-ward system?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, how many students are under the care of a teacher?	-

10. Are remedial programmes offered?	Ye s		N o	<input checked="" type="checkbox"/>	Number	-
--------------------------------------	---------	--	--------	-------------------------------------	--------	---

11. Are bridge courses offered?	Ye s		N o	<input checked="" type="checkbox"/>	Number	-
---------------------------------	---------	--	--------	-------------------------------------	--------	---

12. Are there Courses with ICT-enabled teaching-learning processes?	Ye s		N o	<input checked="" type="checkbox"/>	Number	-
---	---------	--	--------	-------------------------------------	--------	---

13. Is there a mechanism for:

- a. Self appraisal of faculty ? Yes No
- b. Student assessment of faculty performance? Yes No
- c. Expert /Peer assessment of faculty performance? Yes No

14. Do the faculty members perform additional administrative work? If yes, the average number of hours spent by the faculty per week

Six hours

Criterion III: Research, Consultancy and Extension

1. How many teaching faculty are actively involved in research? (Guiding student research, managing research projects etc.,)

Number % of total

3	19
---	----

2. Research collaborations

a) National Yes No

If yes, how many? Yes
07

b) International

If yes, how many? Yes No

01

3. Is the faculty involved in consultancy work?

Yes No

If yes, consultancy earnings/ year (average of last two years may be given)

-

4. a. Do the teachers have ongoing/ completed research projects?

Yes No

If yes, how many?

-
-

On going

Completed

b. Provide the following details about the ongoing research projects

Major projects	Yes		No	√	Number	-	Agency	-	Amt.	-
Minor projects	Yes		No	√	Number	-	Agency	-	Amt.	-
College Projects	Yes		No	√	Number	-	Amount	-		
Industry sponsored	Yes		No	√	Number	-	Industry	-	Amt.	-
Any other (specify)				√						

No. of student research projects	Yes	✓	No		Number	05	Amount sanctioned by the College	Nil
----------------------------------	-----	---	----	--	--------	----	----------------------------------	-----

5. Research publications:

International journals	Yes	✓	No		Number	02
National journals – refereed papers	Yes	✓	No		Number	08
College journal	Yes		No	✓	Number	Nil
Books	Yes	✓	No		Number	02
Abstracts	Yes	✓	No		Number	08
Any other (specify)	Yes	✓	No		Number	02
Awards, recognition, patents etc. if any (specify)						
Awards - Dr. K.D.Thengane : 01 Recognised PhD.Supervisors : 03						
Shri S.D.Deo : 01						

6. Has the faculty

- a) Participated in Conferences? Yes No Number
- b) Presented research papers in Conferences? Yes No Number

7. Number of extension activities organized in collaboration with other agencies/NGOs (such as Rotary/Lions Club) (average of last two years)

O2 With Forest Dept. & Z.P. Chandrapur & Govt. of Maharashtra
--

8. Number of regular extension programmes organized by NSS and NCC (average of last two years)

NSS	NCC
01	2.5

9. Number of NCC Cadets/units

M	50	F	-	Units	21 Mah BN NCC, Wardha
				01	

10. Number of NSS Volunteers/units

M	50	F	50	Unit	01
---	----	---	----	------	----

Criterion IV: Infrastructure and Learning Resources

1. (a) Campus area in acres
(b) Built up area in Sq. Meters

3100 Sq.mt
2387.14 Sq.mt

(*1 sq.ft. = 0.093 sq.mt)

2. Working hours of the Library

- (a) On working days
(b) On holidays

8 Hours
Nil

(c) On Examination days	8 Hours																							
3. Average number of faculty visiting the library/ day (average for the last two years)	75%																							
4. Average number of students visiting the library/day (average for the last two years)	65%																							
5. Number of journals subscribed to the institution	14																							
6. Does the library have the open access system?	Yes	No <input checked="" type="checkbox"/>																						
7. Total collection (Number)	<table border="1"> <thead> <tr> <th>Titles</th> <th>Volumes</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td>a. Books</td> <td>587</td> </tr> <tr> <td>b. Textbooks</td> <td>1294</td> </tr> <tr> <td>c. Reference books</td> <td>2833</td> </tr> <tr> <td>d. Magazines</td> <td>09</td> </tr> <tr> <td>e. Current journals</td> <td></td> </tr> <tr> <td> Indian journals</td> <td>14</td> </tr> <tr> <td> Foreign journals</td> <td>-</td> </tr> <tr> <td>f. Peer- reviewed journals</td> <td>-</td> </tr> <tr> <td>g. Back volumes of journals</td> <td>-</td> </tr> </tbody> </table>		Titles	Volumes			a. Books	587	b. Textbooks	1294	c. Reference books	2833	d. Magazines	09	e. Current journals		Indian journals	14	Foreign journals	-	f. Peer- reviewed journals	-	g. Back volumes of journals	-
Titles	Volumes																							
a. Books	587																							
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e. Current journals																								
Indian journals	14																							
Foreign journals	-																							
f. Peer- reviewed journals	-																							
g. Back volumes of journals	-																							

h. E-resources

CDs/ DVDs	-
Databases	-
Online journals	-
Audio- Visual resources	-

i. Special collections (numbers)

Repository (World Bank , OECD, UNESCO etc.)	Ye s	N o	No .
Interlibrary borrowing facility		√	
Materials acquired under special schemes (UGC, DST etc.)		√	
Materials for Competitive examinations including Employment news, Yojana etc.	√	1	
Book Bank		√	
Braille materials		√	
Manuscripts		√	
Any other (specify)			

- 8 Number of books/journals / periodicals added during the last two years and their total cost

	The year before last		Last Year	
	Number 2007-08	Total Cost (Rs.)	Number 2008-09	Total Cost (Rs.)
Text books	263	39126	324	55853
Reference Books	306	46755	488	114382
Other books	176	10303	71	8544
Journals/Periodicals	-	-	123	5940
Encyclopedia	-	-	-	-
Any other(specify)	-	-	-	-

9. Mention the
Total carpet area of the Central Library (in sq. ft)
Number of departmental libraries
Average carpet area of the departmental libraries
Seating capacity of the Central Library (Reading room)

88.20 sq.mt.
Nil
Nil
50

10. Status of Automation of the Library
not initiated
fully automated
partially automated

11. Percentage of library budget in relation to the total budget

1 %

12. Services/facilities available in the library (If yes, tick in the box)
- | | |
|--|-------------------------------------|
| Circulation | <input checked="" type="checkbox"/> |
| Clipping | <input type="checkbox"/> |
| Bibliographic compilation | <input type="checkbox"/> |
| Reference | <input checked="" type="checkbox"/> |
| Reprography | <input type="checkbox"/> |
| Computer and Printing | <input type="checkbox"/> |
| Internet | <input type="checkbox"/> |
| Inter-library loan | <input type="checkbox"/> |
| Power back up | <input type="checkbox"/> |
| Information display and notification | <input type="checkbox"/> |
| User orientation /information literacy | <input type="text" value="-"/> |
| Any other (specify) | |
13. Average number of books issued / returned per day
14. Ratio of library books to the number of students enrolled
15. Computer Facilities
- | | |
|--|-------------------------------------|
| Number of computers in the college | <input type="text" value="25"/> |
| Number of Departments with computer facilities | <input type="text" value="03"/> |
| Central computer facility (Number of terminals) | <input type="text" value="-"/> |
| Budget allocated for purchase of computers during the last academic year | <input type="text" value="172115"/> |
| Amount spent on maintenance and upgrading of computer facilities during the last academic year | <input type="text" value="77055"/> |

Internet Facility,
Connectivity

Dialup	Broadband	Others (Specify)
	√	

Number of nodes/ computers with Internet facility

01

16. Is there a Workshop/ Instrumentation Centre?

Yes		No	√	Available from the year	-
-----	--	----	---	-------------------------	---

17. Is there a Health Centre?

Yes	√	No		Available from the year	2005
-----	---	----	--	-------------------------	------

18. Is there Residential accommodation for

Faculty ?

Yes		No	√
-----	--	----	---

Non-teaching staff ?

Yes		No	√
-----	--	----	---

19. Are there student Hostels?

Yes		No	√
-----	--	----	---

If yes, number of students residing in

-

hostels

Male

Yes		No	√	Number	
-----	--	----	---	--------	--

Female

Yes		No	√	Number	
-----	--	----	---	--------	--

20. Is there a provision for

a) Sports fields

Yes	√	No	
-----	---	----	--

b) Gymnasium

Yes	√	No	
-----	---	----	--

c) Womens' rest rooms

Yes		No	√
-----	--	----	---

d) Transport

Yes		No	√
-----	--	----	---

e) Canteen / Cafeteria

Yes	√	No	
-----	---	----	--

f) Students centre

Yes		No	√
-----	--	----	---

g) Vehicle parking facility

Yes	√	No	
-----	---	----	--

Criterion V: Student Support and Progression

1. a Student strength

(Provide information in the following format, for the past two years) :
2007-08

Student Enrolment	UG			PG			M.Phil			Ph.D			Diploma / Certificate			Self- Funded		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Number of students from the same State where the college is located	7	6	1	2	5	7	-	-	-	-	-	-	7	0	7	3	27	6
	7	1	3	7	2	9										5	6	2
			8													1		7
Number of students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

from other States																		
Number of NRI students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of foreign students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

M – Male, F- Female, T-Total

Student Strength : 2008-09

<i>Student Enrolment</i>	<i>UG</i>			<i>PG</i>			<i>M.Phil</i>			<i>Ph.D</i>			<i>Diploma / Certificate</i>			<i>Self-Funded</i>		
	<i>M</i>	<i>F</i>	<i>T</i>	<i>M</i>	<i>F</i>	<i>T</i>	<i>M</i>	<i>F</i>	<i>T</i>	<i>M</i>	<i>F</i>	<i>T</i>	<i>M</i>	<i>F</i>	<i>T</i>	<i>M</i>	<i>F</i>	<i>T</i>
Number of students from the same State where the college is located	6	6	1	6	6	1	-	-	-	-	-	-	5	-	5	4	34	7
	6	4	3	0	4	2										2	1	6
			0			4										3		4
Number of students from other States	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of NRI students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of foreign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

students																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M – Male, F- Female, T-Total

b. Dropout rate in UG and PG (average for the last two batches)

	Number	%
UG	387	76
PG	36	58

2. Financial support for students: (last Year)

(Through College Scholarships)

Through Social Welfare Officer & POITDP Officer : 2008-09

Category	No. of Students	Ment Allow	Tution fee	Exam Fee	Other fee	Sr. Charge	Total Fee
SC	197	378710	468800	59456	252690	985	1160838
OBC	312	387100	818600	84996	370720	1560	1663288
NT/ NJ	65	75640	148440	17578	69200	305	311228
ST	72	142690	178000	17044	84770	360	422936
SBC	04	3900	3600	836	5240	0	13580
Total	650		988040	1617440	179910	782620	
	3210	3571870					

Freeship : 2008-09

Category	No. of Students	Ment Allow	Tution fee	Exam Fee	Other fee	Sr. Charge	Total Fee
SC	63	0	186500	20166	125130	-	331796
OBC	158	0	465900	44196	275480	-	785576
NT/ NJ	19	0	37600	4178	21090	-	62868
ST	7	0	18900	1712	7670	-	28212
SBC	4	0	8000	1014	4290	-	13304
Total	251	0	716900	71266	433660	-	
	1221826						

EBC Concession

- B.Sc.I 30
- B.Sc.II 13
- B.Sc.III 15
- Total 58

3. Does the college obtain feedback from students on their campus experience ? Yes No

4. Major cultural events (data for last year)

Events	Organized			Participated		
	Yes	No	Number	Yes	No	Number

Inter-collegiate		√			√	
Inter-university		√			√	
National		√			√	
Any other (specify)		√			√	

5. Examination Results (data of past five years)

Results	UG					PG					M. Phil				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
	04-	0	0	0	0	0	0	0	0	0					
	05	5-	6-	7-	8-	4-	5-	6-	7-	8-					
		0	0	0	0	0	0	0	0	0					
		6	7	8	9	5	6	7	8	9					
Pass Percentage	20	1	2	3	4						-	-	-	-	-
B.Sc.		2.	9.	1.	2.										
		5	2	9	8										
			6	1	5										
B.A	10.	5.	7.	8.	2										
	08	2	7	8	2.										
		2	9	6	4										
					4	4	4	2	2	3					
M.A.Marathi						1.	3.	3.	0	3.					
						6	7	8		3					
						6	5	0		3					
History						7	-	-	-	5					
						5				0					
Geography									1						
							8	8	0						
						7	0	0	0	1					
Sociology						0				0					

Pol.Sci									-	0					
Economics									-	6					
Home econ									-	9					
PGDCCA									-	1					
									-	0					
									-	0					
									1	5					
									6.	0					
									6	5					
									6	0					
										0					
										-					
Number of first classes B.Sc.	-	0	-	0	-						-	-	-	-	-
		1		2											
Number of distinctions	-	-	-	-	-						-	-	-	-	-
Ranks (if any)	-	-	-	-	-						-	-	-	-	-

(* Add more columns if not adequate)

6. Number of overseas programmes on campus and income earned:

Number	Amount	Agency
-	-	-

7. Number of students who have passed the following examinations during the last five years

NET	-	-	-	-	-
SLET	-	-	-	-	-
CAT	-	-	-	-	-
TOEFL	-	-	-	-	-
GRE	-	-	-	-	-
GMAT	-	-	-	-	-
Civil services (IAS / IPS/IFS)	-	-	-	-	-
Defence Entrance	-	-	-	-	-
Other services	-	-	-	-	-
Any other (specify)	-	-	-	-	-

8. Is there a Student Counselling Centre?

Yes	√	No	
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9. Is there a Grievance Redressal Cell?

Yes		No	√
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10. Does the college have an Alumni Association?

Yes		No	√	Formed in the year	-
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11. Does the college have a Parent-teachers Association?

Yes		No	√	Formed in the year	
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Criterion VI: Governance and Leadership

1. Has the institution appointed a permanent Principal ?

Yes	√	No	
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If Yes,
denote the qualifications

Ph.D.

If No,
for how long has the position been vacant?

N.A.

	2007-08	2008-09
2. Number of professional development programmes held for the Non-teaching staff (last two years)	Nil	Nil

3. Financial resources of the college (approximate amount) – Last year’s data (2007-2008)

Grant-in-aid	7508987
Fee from aided courses	162770
Donation	Nil
Fee from Self-funded courses	121250
Any other (specify) (Non granted Courses)	2320492

4. Statement of Expenditure (for last two years)

Item	2007- 08 Before last	2008- 09 last year

% spent on the salaries of faculty	19%	18%
% spent on the salaries of non-teaching employees including contractual workers	13%	9%
% spent on books and journals	2.43%	2.26%
% spent on Building development	On rent	On rent
% spent on hostels, and other student amenities	Nil	Nil
% spent on maintenance - electricity, water, telephones, infrastructure	0.67%	4.62%
% spent on academic activities of departments - laboratories, green house, animal house, field trips etc.	3.66%	3.95%
.% spent on research, seminars, etc.	Nil	Nil
% spent on miscellaneous expenditure	0.5%	0.7%

Note: The institution may provide the details regarding the above table as per the heads of accounts being maintained. However, care may be taken to cover the above items.

5. Dates of meetings of Academic and Administrative Bodies during the last two years:

Governing Body

Internal Admn. Bodies (mention only three most important bodies)

Any other (specify)

	Last year	Year before last
Governing Body	13 March, 11 June, 14 Sept, 10 December	11 March, 13 June, 12 Sept, 15 December
Internal Admn. Bodies (mention only three most important bodies)	15 March, 12 June, 15 Sept, 11 December	10 March, 12 June, 13 Sept, 17 December
Any other (specify)	Nil	Nil

6. Are there Welfare Schemes for the academic community?

1)Loans

Yes	√	No	
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2)Medical allowance

Yes	√	No	
Yes		No	√
Yes	√	No	
Yes	√	No	

3)Any other (specify)

4)Faculties takes loan from
any bank through proper channel

5) Whenever the staff of the college goes on medical leave, he /she applies for medical allowance through proper channel

7. Are there ICT supported / Computerised units/processes/activities for the following?

a) Administrative section/
Office

Yes	√	No	
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Yes		No	√
-----	--	----	---

b) Finance Unit

c) Student Admissions

Yes	√	No	
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d) Placements

Yes	√	No	
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e) Aptitude Testing

Yes		No	√
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f) Examinations

Yes	√	No	
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g) Student Records

Ye s	√	N o	
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Criterion VII: Innovative Practices

1. Has the institution established Internal Quality Assurance Mechanisms ?

Yes	√	No	
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2. Do students participate in the Quality Enhancement initiatives of the Institution?

Yes	√	No	
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3. What is the percentage of the following student categories in the institution?

Academic Session : (2008-2009)

- a. SC
- b. ST
- c. OBC
- d. Women
- e. Differently-abled
- f. Rural
- h. Tribal
- i. SBC
- j. VJ
- h. NT

25.36
8.62
47.20
45.84
-
-
-
0.00
0.00
8.03

4. What is the percentage of the following category of staff?

	Category	Teaching staff	%	Non-teaching staff	%
a	SC	04	25	04	25
b	ST	-	-	-	-
c	OBC	-	-	-	0
d	Women	03	19	01	6.25
e	Physically-challenged	-	-	-	-
f	General Category	12	75	12	75
g	Any other (specify)	-	-	-	-

5. What is the percentage incremental academic growth of the following category of students for the last two batches?

	Category	2005-06		2006-07	
		At Admission		On completion of the course	
		Batch I	Batch II	Batch I	Batch II
a.	SC	25.90	27.64	12.6 %	31.57 %
b.	ST	9.07	12.24	18.18 %	11.11%
c.	OBC	49.34	41.56	18.86 %	20.27%
d.	Women	36.48	41.19	17.28 %	30.76%
e.	Physically challenged	-	-	-	-
f.	General Category (Open)	4.72	5.93	44.44 %	57.14%
g.	NT	0.00	0.00	0.00 %	22.22%
h.	SBC	0.00	0.00	0.00 %	0.00%
i.	VJ	0.00	0.00	0.00%	0.00%

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	MATHEMATICS	
2	Year of Establishment	1993	
3	Number of Teachers sanctioned and present position	02	02(1+ Principal)
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	02	110
7	Demand Ratio (No. of seats : No. of applications)	1 : 1	
8	Ratio of Teachers to Students	2 : 110 (1:55)	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2003-2004	
11	Number of students passed NET/ SLET etc. (last two years)	-	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.Sc.III 54.00%	
13	University Distinction/ Ranks	-	
14	Publications by faculty (last 5 years)	Annexure -III	
15	Awards and recognition received by faculty (last five years)	Annexure -I	
16	Faculty who have Attended National and International Seminars (last five years)	Annexure -II	
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	03	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	06	
25	Number of Computers	Nil	
26	Annual Budget	16,000/-	

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	CHEMISTRY	
2	Year of Establishment	1993-1994	
3	Number of Teachers sanctioned and present position	03	03
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	05 : 197	
7	Demand Ratio (No. of seats : No. of applications)	404 : 404 (1:1)	
8	Ratio of Teachers to Students	5:197	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	B.Sc.I 2008-2009	
11	Number of students passed NET/ SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.Sc.III 32.43%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Annexure - II	
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	02	
25	Number of Computers	Nil	
26	Annual Budget	99124	

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	ZOOLOGY	
2	Year of Establishment	1998-99	
3	Number of Teachers sanctioned and present position	03	03
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	4 : 143	
7	Demand Ratio (No. of seats : No. of applications)	382:382 (1:1)	
8	Ratio of Teachers to Students	4 : 143	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	B.Sc.I 2003-04 B.Sc.II 2004-05 B.Sc.III 2005-06	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.Sc.III 45.45%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Annexure -III	
15	Awards and recognition received by faculty (last five years)	Annexure - I	
16	Faculty who have Attended National and International Seminars (last five years)	Annexure -II	
17	Number of National and International seminars organized (Last five years)	Nil	
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/ Periodicals	03	
25	Number of Computers	Nil	
26	Annual Budget	84619/-	

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	PHYSICS	
2	Year of Establishment	1993	
3	Number of Teachers sanctioned and present position	03	02
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	04	89
7	Demand Ratio (No. of seats : No. of applications)	1 : 1	
8	Ratio of Teachers to Students	2 : 89	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2002-03	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	56.25 %	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Annexure - III	
15	Awards and recognition received by faculty (last five years)	Annexure - I	
16	Faculty who have Attended National and International Seminars (last five years)	Annexure-II	
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	03	
25	Number of Computers	01	

26	Annual Budget	61210/-
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* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	BOTANY	
2	Year of Establishment	1998	
3	Number of Teachers sanctioned and present position	03	02
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	04 : 116	
7	Demand Ratio (No. of seats : No. of applications)	1 : 1	
8	Ratio of Teachers to Students	04 : 116	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2008-2009	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.Sc.III 68%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Annexure -III	
15	Awards and recognition received by faculty (last five years)	Annexure- I	
16	Faculty who have Attended National and International Seminars (last five years)	Annexure - II	
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	03	
25	Number of Computers	01	

26	Annual Budget	59935/-
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* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	COMPUTER SCIENCE	
2	Year of Establishment	1998	
3	Number of Teachers sanctioned and present position	01	01
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	01 :	66
7	Demand Ratio (No. of seats : No. of applications)	01: 01	
8	Ratio of Teachers to Students	01 : 66	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2002 - 03	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.Sc.III 61.53%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Nil	
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	Nil	

25	Number of Computers	27
26	Annual Budget	252965/-

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	MICROBIOLOGY	
2	Year of Establishment	2001	
3	Number of Teachers sanctioned and present position	02	Nil
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	01	
6	Number of Teachers and Students	-	48
7	Demand Ratio (No. of seats : No. of applications)	01 : 01	
8	Ratio of Teachers to Students	Nil : 48	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2007-08	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.Sc.III 0.1%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Nil	Nil
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	Nil	

25	Number of Computers	Nil
26	Annual Budget	22,342/-

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	SOCIOLOGY	
2	Year of Establishment	2001	
3	Number of Teachers sanctioned and present position	01	Nil
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	02 : 328	
7	Demand Ratio (No. of seats : No. of applications)	1 : 1	
8	Ratio of Teachers to Students	01: 164	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2005	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.A.III 88.70%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Nil	
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/ Periodicals	Nil	

25	Number of Computers	Nil
26	Annual Budget	10,625/- (Library Books)

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	HOME ECONOMICS	
2	Year of Establishment	2003	
3	Number of Teachers sanctioned and present position	02	02
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	02	86
7	Demand Ratio (No. of seats : No. of applications)	01 : 01	
8	Ratio of Teachers to Students	02 : 86	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2005	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.A.III 93.54%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Nil	
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	Nil	

25	Number of Computers	Nil
26	Annual Budget	20000/-

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses ENGLISH	
1	Name of the Department		
2	Year of Establishment	1993 / 2000	
3	Number of Teachers sanctioned and present position	04	Nil
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	01: 655	
7	Demand Ratio (No. of seats : No. of applications)	01:01	
8	Ratio of Teachers to Students	01: 655	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2005	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.A.III 28.20%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Nil	Nil
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	Nil	
25	Number of Computers	Nil	

26	Annual Budget	1788/- (Library Books purchased)
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* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	FASHION DESIGN	
2	Year of Establishment	2008	
3	Number of Teachers sanctioned and present position	01	Nil
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	0 : 5	
7	Demand Ratio (No. of seats : No. of applications)	1 : 1	
8	Ratio of Teachers to Students	0 : 5	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	-	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.A.I 60.00%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Nil	Nil
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	Nil	
25	Number of Computers	Nil	
26	Annual Budget	20000/- (Library Books purchased)	

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
		HISTORY	
1	Name of the Department		
2	Year of Establishment	1999	
3	Number of Teachers sanctioned and present position	02	02
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	02 : 274	
7	Demand Ratio (No. of seats : No. of applications)	01 : 01	
8	Ratio of Teachers to Students	2: 274	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2005	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	38.6%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Nil	Nil
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/ Periodicals	Nil	
25	Number of Computers	Nil	
26	Annual Budget	Nil	

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	ECONOMICS	
2	Year of Establishment	2001	
3	Number of Teachers sanctioned and present position	01	02
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	1: 152	
7	Demand Ratio (No. of seats : No. of applications)	1:1	
8	Ratio of Teachers to Students	1:152	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2005	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.A.III 75.00%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Nil	Nil
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	Nil	
25	Number of Computers	Nil	
26	Annual Budget	4,555/- (Library Books purchased)	

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	POLITICAL SCIENCE	
2	Year of Establishment	2001	
3	Number of Teachers sanctioned and present position	01	Nil
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	03 : 345	
7	Demand Ratio (No. of seats : No. of applications)	01:01	
8	Ratio of Teachers to Students	01:115	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2005	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.A.III 59.30%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Nil	Nil
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	Nil	
25	Number of Computers	Nil	
26	Annual Budget	13,418/- (Library Books purchased)	

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	MARATHI	
2	Year of Establishment	1993	
3	Number of Teachers sanctioned and present position	03	02
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	NIL	
6	Number of Teachers and Students	03 : 746	
7	Demand Ratio (No. of seats : No. of applications)	1:1	
8	Ratio of Teachers to Students	03 : 746	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2008-2009	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	B.A.III 84.69%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Annexure- III	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Annexure – I	
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	Nil	
25	Number of Computers	Nil	
26	Annual Budget	15,000/-	

* Use separate sheets for each department (If applicable)

C. Profile of the Departments (If applicable)

		Responses	
1	Name of the Department	GEOGRAPHY	
2	Year of Establishment	1999	
3	Number of Teachers sanctioned and present position	02	02
4	Number of Administrative Staff	Nil	
5	Number of Technical Staff	Nil	
6	Number of Teachers and Students	04	206
7	Demand Ratio (No. of seats : No. of applications)	01: 01	
8	Ratio of Teachers to Students	04 : 206	
9	Number of research scholars who had their master's degree from other institutions	Nil	
10	The year when the curriculum was revised last	2007-2008	
11	Number of students passed NET/SLET etc. (last two years)	Nil	
12	Success Rate of students (What is the pass percentage as compared to the University average?)	60.80%	
13	University Distinction/ Ranks	Nil	
14	Publications by faculty (last 5 years)	Nil	
15	Awards and recognition received by faculty (last five years)	Nil	
16	Faculty who have Attended National and International Seminars (last five years)	Annexure -II	
17	Number of National and International seminars organized (Last five years)	Nil	Nil
18	Number of teachers engaged in consultancy and the revenue generated	Nil	Nil
19	Number of Ongoing projects and its total outlay	Nil	Nil
20	Research projects completed during last two & its total outlay	Nil	Nil
21	Number of inventions and patents	Nil	Nil
22	Number of Ph. D theses guided during the last two years	Nil	
23	Number of Books in the Departmental Library, if any	Nil	
24	Number of Journals/Periodicals	Nil	
25	Number of Computers	Nil	
26	Annual Budget	1200/-	

* Use separate sheets for each department (If applicable)

ANNEXURE – I
Awards and Recognition received by the Faculty (Last 5 years)
(2004-2009)

1. Department of Mathematics

A) Dr.K.D.Thengane (Principal) : Awards

- Jewel of India Award by Indian Solidarity Council, New Delhi (2007).
- Rashtriya Vidya Gaurav Gold Medal Award by International Institute of Education and Management (2007).
- Education Acumen Award by International Institute of Education and management, New Delhi (2008).
- Best Educationalist Award by National and International Compendium (2008).
- Chhatrapati Shahu raje Rashtriya Manvi Kalyan Puraskar, by Human Welfare Social Organisation, Mumbai (2008).

Academic Honours :

- Former Chairman, Board of Studies in Mathematics, Nagpur University.
- Ex.Member of Faculty of Science, Nagpur University.
- Ex.member of Academic Council, Nagpur University.
- Ex. Member of Senate, RTM Nagpur University.
- Secretary, Vidarbha Academy of mathematics.
- Member Vidarbha Academy of Sciences.
- Recognised Supervisor in Mathematics, RTM Nagpur University.
- Recognised Supervisor in Physics, RTM Nagpur University Nagpur.

B). Shri S.D.Deo : Awards

- Padmabhushan Mahapandit Rahul Sanskrutayan Sanshodhan Samman, 2005 – Bhartiya Prachin Puratatva Sanskruti Sevak Sangh, Chandrapur (M.S.)
- Bhadrawati Bhushan Award ,2006- Bhadrawati Municipal Corporation, Bhadrawati, Dist.Chandrapur (M.S.)
- Karmavir Bhaurao Patil Adarsh Shilshak Award ,2005- Drama Memorial Public Art Association, Chandrapur (M.S.)

- Maharshi Karve Shishan Bhushan Award, 2006- Drama Memorial Public Art Association, Chandrapur (M.S.)
- Dr. Babasaheb Ambedkar Utkrushta Karya Seva Award, 2006- Anokha Vishwas –News Paper, Indore (M.P.)
- Nobel India Award, 2008- Yuwa Samuh Prakashan, Wardha (M.S.)
- Mahatma Jyotiba Phule Fellowship Award , 2008- Bhartiya Dalit Sahitya Akademi, Delhi.
- Maharashtra Government (Travel , Tourism and Cultural Department)- State Level Adarsh Shikshak Award- 2009- Gondia (M.S.)

2. Department of Botany

A) Dr.P.N.Nasare: Recognition

- Ph.D. Supervisor in Botany in RTM Nagpur University, Nagpur (2008).
- M.Phil Supervisor in Botany , Periyar University, Salem, Tamil Nadu (2008).
- M.Phil Supervisor in Botany, Vinayaka Missions University, Salem, Tamil Nadu (2008-09).

3. Department of Zoology

A) Dr.S.R.Sitre : Recognition

- Ph.D. Supervisor in Zoology in RTM Nagpur University, Nagpur (2008).

ANNEXURE- II
Faculty Who Have Attended National & International Seminars
(Last five Years) (2004- 2009)

Department of Mathematics

1. Dr.K.D.Thengane :

- UGC Sponsored State Level Seminar on recent Trends in Mathematics and their application, S.P.College, Chandrapur.

2. Shri S.D.Deo :

- National Seminar on Recent Trends in Mathematics (NSDRTM) held at Nagpur on 11th January 2004.
- International Conference on Relativity (ICR- 2005) held at Amravati, during 11-15 January 2005.
- National Conference held at Nagpur on 21 and 22 January 2006.
- UGC Sponsored State level Seminar on Recent Developments in Algebra and relativity held at J..Patel College,Bhandara, on 3rd Oct. 2008.
- UGC Sponsored State level Seminar on Recent Trends in Mathematics and their Applications held at S.P.College Chandrapur on 21st march 2009.
- 43rd National Conference of Marathi Vigyan Parishad, Warora.

Department of Chemistry

1. Mrs.A.B.Dhote:

- National Seminar on Advanced Materials held at Nagpur, on 1st Feb 2004.
- UGC Sponsored National Conference on Recent Trends in Nanoscience on 15th January 2006 at Kamla Nahru Mahavidyalaya, Nagpur.
- 5th Symposium and Conference on Solid State Chemistry, 28th-30th November 2007.
- National Seminar on Advanced Materials - NSBO -07 at Campus, Nagpur 12th February 2007.
- UGC Sponsored National Seminar on SMATA at S.P.College, Chandrapur on 6th to 7th March 2008.

2. Shri R.S.Hajare:

- UGC Sponsored National Conference Recent Trends in Nano science at kamla Nehru Mahavidyalaya dated 15th Jan. 2006.
- BRNS DST and UGC Sponsored 5th National Symposium and Conference on Solid State Chemistry and allied area, 28th-30th Nov. 2007.
- National Seminar on Advanced Materials on the eve of Superannuation of Prof. N.S.Bhave 12th Feb. 2007.

Department of Physics**1. Shri A.D.Dahegaonkar:**

- Workshop held at nagpur on 03/03/2006.
- National Conference on held at Dr.Ambedkar College Nagpur on 20 to 21 January 2006
- National Seminar held at Department of Physics, RTM Nagpur University, Nagpur on 28-29 March 2006.
- DST Sponsored National Symposium on “ Nanotrends” 27 Sept. 2008 held at, Nagpur.
- Workshop on Action Research in Extension Services, 11 December 2007 held at Dharampeth College, Nagpur.
- National Conference on Advanced technology in Materials and Crystals 28 and 29 Jan. 2008, Nagpur.
- National Seminar on Materials Preparation and Characterization, 31 March 2008, Nagpur.

2. Shri G.R.Bedare:

- National Conference held at Nagpur on 15/01/2006.
- National Conference held at Dr.Ambedkar College Nagpur from 21 to 22 Jan. 2006.
- Seminar on 29 and 30 Jan. 2005 held at Chandrapur.
- Workshop on Compulsory course on environmental Studies 12 July 2007, Nagpur.
- Recent Trends in Basic and Applied Materials held at Institute of Science,Nagpur from 10 to 11 Jan. 2009.

3. Shri K.N.Shinde:

- National Conference on Latest Trends in Nanotechnology organized by V.P.M's Polytechnic, Thande on 5th January 2008.
- International Conference on Luminiscence and its Applications ICLA-2008 held at New Delhi from 13-16 Feb. 2008.
- National Conference on Synthesis and Characterization of New materials and Its Applications organized by Amar Seva Mandala Kamla Nehru mahavidyalaya, Nagpur on 15 March 2009.
- National Conference on Advances in Nanomaterials Devices and technologies organized by Department of Physics S.V Degree College, Kadapa A.P.) from 11 to 12 July 2009.

Department of Botany :**1. Shri N.S.Wadhawe:**

- National Conference on Aerobiology held at Nagpur from 31/05/2005 to 02/02/2005.
- National Seminar on Emerging Trends in Biodiversity Conservation held at Santaji Mahavidyalaya, Nagpur on 20/09/2008.
- State Level Seminar Conservation and Management of Lakes held at S.P.College, Chandrapur on 28th march 2009.
- One day seminar on recent Trends in Life Sciences at PGTD Botany on 14th August 2008.

2. Dr.P.N.Nasare:

- One day seminar on recent Trends in Life Sciences at PGTD Botany on 14th August 2008
- One day seminar on recent Trends in Life Sciences held at PGTD Botany, RTM Nagpur University on 14th August 2008.
- UGC Sponsored national Workshop on Introducing Peoples Biodiversity Register as a part of Environmental Studies at UG Level course held at Mahatma Gandhi Arts Science College, Armori, on 25th-26th August 2008.
- 43rd All India Conference of Matathi Vigyan Parishad held at Anandwan, Warora from 29 Nov. to 1st 2008.
- UGC Sponsored National Seminar on Ethnobotany held at M.B.Patel College, Sakoli on 1st March 2009.
- UGC Sponsored State Level Seminar on Conservation and Management of lakes held at S.P.College Sakoli from 20th March 2009.

- National Conference on Biodiversity : Problems and Solutions held at Nagpur 4th to 5th January 2008.
- National Conference on Biodiversity Conservation and Sustainable Development held at Nagpur from 7th to 9th January 2008.

Department of Zoology:

1. Shri N.V.Harney:

- National Seminar on Advanced Materials held at Department of chemistry,RTM Nagpur University held on 12th February 2007.
- Recent Trends in Life Sciences held at PGTD Zoology, RTM Nagpur University on 14/08/2008.
- National Seminar on emerging Trends in Biodiversity Conservation held at Santaji Mahavidyalaya, Nagpur on 20th Sept. 2008.
- International Conference on Odonatology held at Hislop College,Nagpur from 5th to 9th November 2008.
- UGC Sponsored State Level Seminar on Conservation and Management of lakes held at S.P.College, Chandrapur on 28th March 2009.

2. Dr.S.R.Sitre:

- UGC Sponsored State Level Seminar on Conservation and Management of Lakes held at S.P.College,Chandrapur on 28th March 2009.
- International Conference on *Recent Trends in Environmental Impact Assessment (RTEIA-2008)* held at NEERI, Nagpur from 23-25 November 2008.
- National Seminar on emerging Trends in Biodiversity Conservation held at Santaji Mahavidyalaya, Nagpur on 20/09/2008.
- 43rd Marathi Vidnyan Parishad Conference held at Anandwan ,Warora from 29th November to 1st December 2008.

Department of Marathi:

1.Shri S.B.Tangade:

- National Conference held at Nagpur from 2nd to 3rd March 2006.
- Conference held at Talodhi Balapur from 7th to 8th March 2006.

2. Shri V.G.Petkar:

- Seminar on Impact of Information explosion on language and translation-3rd and 4th October 2008, JSPM College, Dhanora, Distt. Gadchiroli.

Department of Geography :

1. Shri P.M.Wasake:

- UGC Sponsored National Seminar Application of Remote Sensing and Geographical Information System held at Dhanwate National College, Nagpur on 28th and 29th March 2009.
- Workshop on Geography Syllabus held at Arts Science and Commerce College, Koradi, Nagpur held on 8th October 2008.

Annexure - III

Published Research Papers of the Faculty Members

S.No,	Authors	Title of Paper	Journal /Volume No. / Year
1.	S.R.Kadhao & K.T.Thengane	$[x-\sqrt{t_1^2+T_2^2+t_3^2}]$ – type and $[\sqrt{t_1^2+t_2^2+t_3^2}/x]$ - type plane waves in four dimensional space times	Tensor New Series, Vol. 67 (2006)
2.	K.D.Thengane	$[z-1/\sqrt{3}(t_1+t_2+t_3)]$ – type and $[(t_1+t_2+t_3)/z\sqrt{3}]$ – type plane waves in V5 for biometric relativity	The Mathematics Education Vol. XL, No. 1, March 2006.
3	J.K.Jumale and K.D.Thengane	A generalization of plane wave solutions of field equations of Einstein's general relativity in V5.	Tensor New Series Vol. 68, No.3 (2007), pp. 280-286.
4	S.R.Gomkar,J.K.Jumale and K.D.Thengane	Five dimensional plane solutions in Bonnor and Schrodinger's unified field theory	Bulletin of Pure and Applied Sciences Vol. 128 E (no.1) 2009 p. 1-7.
5	S.D.Deo & K.D.Thengane	N- dimensional static plane symmetric space- time in biometric relativity	Applied Science Periodical Vol. V,No. 2, 2003,86-88
6	S.D.Deo	Non existence of bianchi type VIo cosmological model with perfect fluid in Bimetric theory of Gravitation (II)	J. of Indian Academy of mathematics, Vol.25,No.1,2003 187-191
7	V.Mahurpawar & S.D.Deo	Five dimensional static plane symmetric space- time with cosmic strings in biometric relativity	J. of Indian Academy of mathematics, Vol. 25, No. 2, 2003 333-336
8	S.D.Deo	Axially symmetric Bianchi-I Vacuum solutions with background metric	J. of Indian Academy of mathematics, Vol. 25,No. 2, 2003, 337-339.
9	V.Mahurpawar & S.D.Deo	A static plane symmetric space-Time with cosmic strings inBimetric Relativity	Applied Science Periodical Vol. V, No.3,2003 148-151
10	V.Mahurpawar & S.D.Deo	Nil contribution of cosmic strings to bianchi Type VI0 cosmological model in Bimetric relativity	The Mathematics Education Vol.XXX VII ,No. 3, 2003, 142-144
11	S.D.Deo	Uniform Anisotropic Vacuum solutions in Bimetric relativity	The mathematics Educataion Vol XXXVII,No. 3, 2003 161-163
12	V.Mahurpawar & S.D.Deo	On Bianchi-I cosmic strings coupled with Maxwell Fields in Bimetric Relativity	Pramana-Journal of Physics, Vol 61, No. 4, 2003, 655-658
13	S.D.Deo	On plane symmetric vacuum solutions of biometric relativity	Applied Sciene periodical Vol. V, No. 4, 2003 219-221
14	S.D.Deo	On Bianchi Type-V Vacuum Solutions in Bimetric Relativity	The Matehmatics Education Vol. XXXVII No. 4, 2003, 203-205
15	S.D.Deo & K.D.Thengane	A static plane symmetric space- tiem in biometric relativity	Bulletin of the Calcutta Mathematical Society Vol 95, 2003 339-342
16	S.D.Deo	Axially symmetric bianchi-I vcuum solutions with background metric (II)	Applied Science Periodical Vol.VI, No.1, 2004, 44-46

S.No,	Authors	Title of Paper	Journal /Volume No./Year
17	V.S.Mahurpawar &	On Bianchi-I Cosmic Strings in	The Mathematical Education

	S.D.Deo	Bimetric relativity	Vo. XXXVIII, No. 1, 2004 17-19
18	S.D.Deo & K.D.Thengane	Existence of $[\sqrt{x^2+y^2+Z^2-t}]$ Type plane gravitational wave in biometric relativity	Tnsor New Series Vol 65, No.1, 2004, 13-17
19	S.D.Deo	Nil contribution of cosmic strings to plane symmetric space-time in biometric relativity (II)	Journal of Indian Association of Mathamatics Vol 26, No.1, 2004 77-80
20	V.Mahurpawar & S.D.Deo	On bianchi I Cosmic strings in Bimetric Relativity	Applied Science Periodical Vol. Vi, No.2, 2004 81-83
21	V.Mahurpawar & S.D.Deo	A uniform Anisotropic cosmological model with perfect fluid in biometric relativity	Mathematical forum Vol XVI, 2003-04 46-49
21	V.Mahurpawar & S.D.Deo	VI- Dimensional static plane symmetric space time with cosmic strings in biometric relativity	Journal of Indian Association of Mathamatics
22	S.D.Deo & K.D.Thengane	Nil contribution of perfect fluid in $[t/\sqrt{x^2+Y^2+z^2}]$ – Type plane gravitational wave in biometric relativity	Souvenir cum scientific events Abstracts ICR-2005 (International Conference on relativity-2005) 27
23	S.R.Kadhao & K.D.Thengane	$[x-\sqrt{t_1^2+t_2^2+t_3^2}]$ – type and $[\sqrt{t_1^2+t_2^2+t_3^2}/X]$ – type plane waves in four dimensional space times	Tnsor New Series Vol 67 (2006)
24	K.D.Thengane	Existence of $[z-1/\sqrt{3}(t_1+t_2+t_3)]$ – type and $[t_1+t_2+t_3/z\sqrt{3}]$ – type plane waves in V_4 for biometric relativity .	The mathematics Education Vol.XL, No.1 March 2006
25	J.K.Jumale & K.D.Thengane	A generalization of plane wave solutions of field equations of Einsteins's general relativity in V_5 .	Tensor New Series Vol.689 No.3 (2007) 280-286
26	S.R.Gomkar, J KJumale and K.D.Thengane	Five dimensional plane wave solutions plane wave solutions in Bonnor and Schrodinger's unified field theory	Bulletin of Pure and Applied Sciences Vol 28 E (No.1) 2009 1-7

S,No,	Authors	Title of Paper	Journal /Volume No. / Year
27	N.V.Harney, S.R.Sitre,	Zooplankton biodiversity in a anthropologically affected	Journal of Ecology & Fisheries Vol. I(1); 27-34

	N.S.Wadhve & P.N.Nasare	freshwater lake of Bhadrawati town in chandrapur district of Maharashtra.	(2008)
28	P.N.Nasare, N.S.Wadhve, N.V.Harney & S.R.Sitre	Studies on phytoplankton diversity of Vinjasan lake in Bhadrawati town of Chandrapur district, Maharashtra	Journal of Ecology and Fisheries Vol II (1) 95-100 (2008)
29	Nasare P.N. and A.D.Chaudhary	Meiotic consequences of gamma rays, SA and EMS in <i>Ocimum sanctum</i> Linn. Bioinfolet 6 (3) : 197-200	Bioinfolet 6 (3) : 197-200 (2009)
30	Nasare P.N. Wadhve N.S. Harney N.V. and Sitre S.R.	Phytoplankton diversity of Khadki lake Bangali camp, Bhadrawati Distrrict Chandrapur, Mahjarashtra, India	Bioinfolet 6 (3) : 232-234 (2009)
31	Shashikant Sitre, Sharda Dhadse and Shanta Satyanarayan	Toxicity of Herbal Pharmaceutical Wastewater to a Freshwater Crustacean <i>Ceriodaphnia dubia</i>	Bulletin of Environmental Contamination Toxicology 82: 275-279. (2009)

Part II : Evaluative Report

A : EXECUTIVE SUMMARY

The Bhadrawati Shikshan Sanstha, Bhadrawati established Nilkanthrao Shinde Science & Arts College in the year 1993 by Shri Nilkanthraoji Shinde (Ex.MLA) and Secretary of Bhadrawati Shikshan Sanstha, Bhadrawati. The college has UGC recognition of 2(f) status on 15th November 2007 and 12 (B) on August 2009. The Peer team of NAAC visited the college in the year 2004 and accredited with “ B” grade to this college. Now we are applying for reassessing and reaccrediting our institution again. This summary incorporates:

Criterion I : Curricular Aspects

The college has a defined vision and mission of imparting higher education to rural and backward students and producing responsible civilians to build healthy society and nation. The academic programmes offered to students fulfill the institutions goal and objectives of empowering and educating rural area students. The college runs undergraduate and post graduate degree courses in arts and science stream, under annual system. The college offers self financed courses also which includes 3 at UG and 12 at PG level and 1 post graduate diploma in computer commercial application. The job oriented courses in the areas of microbiology, computer science, fashion design and PGDCCA have been introduced in the institution to widen the scope of the graduates passing out from this institution. During the last 5 years, college has introduced 2 new programmes at UG and 7 new programmes at PG level. The college is affiliated to RTM Nagpur University, Nagpur and is implementing curriculum designed by RTM Nagpur University. The lecturers and principal of this college regularly interact with

students and the college principal obtains feedback from students. He utilize the feedback in making necessary improvements in teaching. The teachers take effective steps to complete their teaching within the allotted time utilizing traditional as well as modern methods.

Criterion II: Teaching –Learning and Evaluation

The institution has designed its own website www.nscollege.co.in displaying all the available courses. Every year at the beginning new prospectus is prepared by a team of expert committee members constituted by the principal. The students are admitted to all the courses in science and arts faculty based on the percentage scored at 12th Standard ,B.A.and B.Sc.final examinations as well as interviews. The policy of admission is first come first served basis. Our staff members include 16 teaching and 16 non teaching faculty members. The teaching staff members include one professor grade principal and 15 lecturers in various subjects. The teaching staff include 3 Ph.D. holders and one NET candidate. Eight teaching faculty members have attended 6 refresher and 7 orientation programmes during the last 5 years. The faculty members regularly fill up self appraisal forms and perform additional administrative work of six hours per week.

Criterion 3 : Research Consultancy & Extension

Three faculty members are guiding Ph.D. students viz. Dr.K.D.Thengane in mathematics and Physics, Dr.P.N.Nasare in Botany and Dr.S.R.Sitre in Zoology in RTM Nagpur University, Nagpur. There are 7 national and 1 international collaboration for research. The faculty members have published 2 research papers in International and 8 in national journals. They have written 2 books , 2 articles and 8 abstracts in national and international conferences. The faculty members

have actively participated in 17 national and 2 international conferences of which Dr.S.R.Sitre (Zoology) and Shri N.S.Wadhawe (Botany) have presented research papers in limnology. Our college has established unit of 21 Mah BN NCC, Wardha having a capacity of 50 male students, while the NSS unit has 100 volunteers (50 male and 50 female). The World Earth Day was celebrated in collaboration with forest department, Bhadrawati NSS camp was organized at Chalbardi in Bhadrawati tehsil under the extension activity.

Criterion IV : Infrastructure & Learning Resources

The college has an area of 3100 sq.mts out of which the built up area is 2387.14 sq.mts. 14 national journals were subscribed by the institution for the benefit of teachers and presently college has 4738 books in its collection. The college library works for 8 hours daily and about 75% of faculty members as well as 65% of students visit the library daily and take benefit. During last 2 years, college has spent 1,87,117/- on purchase of books and journals and 1% of budget is allocated to library. The library has an carpet area of 268.99 sq.ft. having a seating capacity of 50 students. The library has installed LIBMAN software for data entry of library books.

College has 27 computers with 2 internet connections having broadband facility. College has a health centre facility with a team of expert doctors for the benefit of staff and students from the year 2005. There is a well built gymnasium with modern equipments for exercising to keep fit and a beautiful botanical garden with a collection of medicinal and ornamental plants for recreation, apart from vehicle parking facility for students and staff.

Criterion V : Student Support and Progression

In the year 2008-09, 1021 students enrolled in college at UG and PG level. The drop out rate was 76% at UG while it is 58% at PG. Financial support was provided to students in the form of various scholarships. College has a student counseling centre which guides the needy students throughout the year.

Criterion VI : Governance and Leadership

The institution has appointed Dr.K.D.Thengane as permanent principal having Ph.D in Mathematics from RTM Nagpur University. In the year 2008-09, college has financial resources to the tune of Rs. 23,20,492/- from non granted courses, Rs. 7508987/- from grant in aid courses. The administrative office is computerized with respect to salary only. Records of students are also computerized.

Criterion VII: Innovative Practices

The institution has established a Internal Quality Assurance Cell under the guidance of officiating principal Mr.S.D.Deo on dated 5th July 2004 and again under the guidance of Principal Principal Dr.K.D.Thengane after his joining on dated 16th May 2006. The main aim of this is to increase the internal quality of the organization. Our institution cares for all cadres of the society. In the recruitment of teaching staff we sought to give appointment to SC,ST,NT as per roaster of Nagpur University and inform to the B.C. Cell of University.

B : Criterion –Wise Evaluative Report

Criterion I : Curricular Aspects

Curriculum Design and Development

Vision and Mission of the Institution

Vision :

“Production of Good students, Good Civilians, Good Society which creates a Developed Nation”

Mission :

To provide higher education to every student of Bhadrawati and periphery.

To provide quality education.

To produce good, patriotic and responsible civilians to build healthy society and nation.

The above stated vision and mission of the institution is displayed in front of office of Secretary, Bhadrawati Shikshan Sanstha, Bhadrawati for view and display of students teachers, staff members and stakeholders.

The mission statement to provide higher education to every student of Bhadrawati & periphery reflect the institutions distinctive characteristics in terms of addressing the needs of the society, and the students it seeks to serve, while institutes tradition and value orientation are reflected through production of good, patriotic and responsible civilians to build healthy society and nation.

The academic programmes offered to students fulfill the institutions goal and objectives of empowering and educating rural area students. Through the syllabus the development of student take place but when it is coupled with

extra curricular activities the effect gets multiplied and students get benefit from it, by developing their personality for better future.

The curriculum is designed by RTM Nagpur University based on UGC guidelines and implemented by Board of Studies in every subject at university level. College implements the curriculum for the betterment of students based on university recommendations. The curriculum of B.Sc II and B.A.II incorporates “Environmental Studies” from the academic session 2007-2008 as per UGC directives which caters to the needs of saving our precious environment and have relevance to regional needs. Employment opportunities are provided to students based on campus interviews for various companies from time to time.

The subject computer science at UG level and PGDCCA course equips the students to compete in the global employment markets, as the curriculum includes in depth knowledge about Information Technology (IT).

The curriculum design and development for every course is based on UGC recommendation and framed by RTM Nagpur university, Nagpur from time to time. The chairman of the respective board at university level takes decision of framing the syllabus in consultation with its team members.

Principal of N.S.College Dr.K.D.Thengane has served as past Chairman of Board of Studies in Mathematics for 5 consecutive years in RTM Nagpur University, Nagpur and apart from it no other staff member from N.S.College, Bhadrawati is in board of studies currently.

Academic Flexibility

Presently, the college runs undergraduate and post graduate degree courses in Arts and science streams apart from PGDCCA which is a certificate course. The job oriented courses in the areas of Microbiology, Computer science , Fashion Design (FD) and PGDCCA have been introduced in the institution to widen the scope for employability of the graduates passing out from this institution.

The college provides elective options for selection of subjects. We don't have add on as well as interdisciplinary courses. There is no flexibility to students to move from one discipline to other. Also there is no flexibility provided with respect to time.

Till date our college has not enrolled any foreign student in any of the course, but if anyone wishes he can join any course like B.A., B.Sc.M.A.,M.Sc and PGDCCA as per his need in arts or science stream.

The institution offers self financed programmes in the following areas :-

Arts Stream :-

- 1) B.A.I,II and III
- 2) M.A.I,II in : Marathi literature, Geography, History, Political Science, Economics, History, Sociology, Home Economics.

Science Stream:-

- 1) B.Sc.I, II & III in Computer Science & Microbiology
- 2) M.Sc.I & II in : Mathematics, Physics, Zoology and Chemistry

3) PGDCCA.

Admissions to these subjects are based on first come first served basis.

Curriculum is based on RTM Nagpur University syllabus.

Fee structure to self financed courses is as per Government of Maharashtra and RTM Nagpur University rules.

Teacher Qualifications for the self financed courses are based on UGC and Government of Maharashtra norms from time to time .

The salary to respective teachers is provided by the management through the funds generated by running these courses as per UGC norms.

Feedback on Curriculum

The lecturers and principal of this college regularly interact with students and parents regarding curriculum aspects.

The principal of the college obtains feed back from students and suggests the teaching staff members necessary improvements in teaching. The feedback is utilized for improving college level teaching only and so it is not communicated to the RTM Nagpur University.

Curriculum Update

The syllabus of respective subjects in arts and science streams are updated in every three years. Syllabus revision rests with RTM Nagpur University, respective board of studies. The Chairman and members of Board of Studies of RTM Nagpur University in respective subjects meet and change the syllabus as per UGC directives from time to time. Our institution has not played any

role in framing the syllabus. No major revision was done in syllabus by the university.

The college only implements curriculum framed by RTM Nagpur University from time to time.

The institution follows the restructured curriculum as sent by RTM Nagpur University prepared by Board of Studies in respective subject based on guidelines of UGC for Arts and Science stream.

The existing courses in arts and science stream cater to the need of changing national and global trends. But the rights of changing the courses rest with RTM Nagpur University.

Best Practices in Curricular Aspects

The institution has appointed three full time lecturers namely Dr.Shashikant Sitre in zoology, Dr.Praveenkumar Nasare in Botany and Shri Vilas Petkar in Marathi for quality enhancement and sustainance. The quality enhancement of teachers is done by sending them to state,national and international seminars and orientation and refresher courses. Also some of the teachers are registered for Ph.D. programme which include Shri N.V.Harney, Head of Zoology department and Shri N.S.Wadhawe, Head department of Botany.

The teachers make effective steps to complete their teaching within the allotted time . Employing Modern technology for teaching to UG and PG classes like Over Head projector and Computers to some extent, apart from traditional methods like chalk and board.

Criterion II : Teaching – Learning and Evaluation

Admission Process and Student Profile

The institutional website www.nscollege.co.in also displays the overall courses available in the college. Every year at the beginning new prospectus is prepared by a team of expert committee members constituted by the principal. Apart from this wide publicity is given through distribution of pamphlets as well as through local TV channels of Badrawati by the college management.

The students are admitted to all the courses in Science and Arts faculty based on the percentage scored at 12th standard, B.A and B.Sc. final examination as well as interviews. The policy of admission is first come first served basis in science and arts stream.

The students are admitted first come first served basis.

This college promotes rural area students particularly from economically weaker sections of the society. Despite this admissions are given to all the students who approach the college before the admission gets full.

Catering to Diverse Needs

There is a provision for assessing the students knowledge and skills before the commencement of the programme. The students are counselled and then only admitted to various streams based on their capacity to undertake studies in various UG and PG courses.

The slow and advanced learners are tested through periodic unit tests and pre university examination and based on it counselling of respective students was undertaken for improving the results.

In Physics and mathematics tutorials are present at UG level courses in science stream.

There is no provision for mentoring the students at N.S.College, Bhadrawati.

The handicap students are provided assistance by the teaching staff, non teaching staff as well as the students as and when needed throughout the year.

Teaching- Learning Process

Academic calendar for the year is prepared before the start of year and teaching plans were prepared accordingly. Daily notes prepared regularly and classes held on time. The dates of examination are strictly followed by the teaching staff.

Lecture method is most favoured one in all the subjects. Apart from it interactive teaching is utilized in various science subjects i.e help of charts etc. is taken and students are asked relevant questions based on it. Seminar topics are given to M.Sc students and their presentations are taken. Computer assisted learning is provided to B.Sc.I microbiology students for power point presentation and other items in the syllabus.

Learning is made student centric by giving him adequate knowledge, enhancing his capabilities to tackle day to day problems in his life and building his confidence.

Use of modern aids like computers and internet is utilised for teaching. The institution ensures that students have effective learning experiences through it.

Students and faculty members keep pace with the recent developments in the various subjects by reading news papers and journals and periodicals from the college library, as well as through watching channels like Discovery, National Geographic, Animal Planet and News channels. The faculty members update their knowledge through interaction with prominent personalities by attending and participating in conferences.

There are no departmental libraries but students take books from respective teachers from their personal collection for enhancing their knowledge.

The institution head i.e. Principal of the college takes oral feedback from students and based on it suggestions for improvement are conveyed to teachers. Based on suggestions improvement are implemented by the teachers at their end.

Teacher Quality

Teaching faculty members are selected through a process of interview. Teaching posts for appointment are created on the basis of workload from various departments for which permission is obtained from Nagpur University and Govt. of Maharashtra. Appointment is made after giving advertisement and interview after getting no objection certificate from Joint Director, Higher Education, Nagpur division and roster details from B.C.Cell of Nagpur University.

The college has competent and qualified teachers to handle the courses. Apart from it every year contributory teachers on clock hour basis are appointed by the management through interview and getting approval of selected candidates from RTM Nagpur university from time to time.

Fashion Designing (F.D) subject is introduced in the college during the academic session 2008-2009 for which contributory teachers were appointed. Till date no full time teachers are found suitable for the course despite giving advertisement in the news paper. All other courses in arts and science stream like B.A., B.Sc, M.A., M.Sc are taught by regular faculty members and additional appointments are done on contributory basis.

The management of the college regularly send lecturers for orientation and refresher courses, gives them permission for attending and participating in national and international conferences and seminars. During the last three years 14 faculty members have attended and participated in State, National and International seminars & conferences.

Shri S.B.Tangade, Head Marathi department has attended a orientation course at Goa University, Goa during the academic session 2008-2009.

Awards Received by the faculty during last 5 years.

Dr.K.D.Thengane (Principal)

Education Acumen Award (2007- 2008) by International Institute of Education and Management, New Delhi

Rashtriya Vidya Guaura Gold Medal Award (2007-2008) by International Institute of Education and Management, New Delhi

Jewel Of India Award (2007-2008) By Indian Solidarity Council, New Delhi.

Best Educationalist Award (2008) Conferred by International Compendium, New Delhi on 13th Oct. 2008.

Shri S.D.Deo (Head, Mathematics Department)

Padmabhushan Mahapandit Rahul Sanskrutayan Sanshodhan Samman (2005) By Bhartiya Prachin Puratatva Sanskrutik Sewak Sangh, Chandrapur.

Bhadrawati Bhushan Award (2006) By Municipal Council, Bhadrawati.

Karmavir Bhaurao Patil Adarsh Shikshak Award (2005) By Drama Memorial Public Art Association, Chandrapur.

Maharshi Karve Shikshan Bhushan Award (2006) by Drama Memorial Public Art Association, Chandrapur.

Dr.Babasaheb Ambedkar Utkrushtha Kanya Sewa Award (2006) By Anokha Vishwas News Paper, Indore.

Nobel India Award (2008) Yuva Samuh Prakashan, Wardha.

Mahatma Jyotiba Phule Fellowship Award (2008) By Bhartiya Dalit Sahitya Academy, Delhi.

State Level Adarsh Shikshak Award (2009) By Govt. of Maharashtra, Travel, Tourism and Cultural department.

The institution organizes training programmes for the faculty in computer and internet and using of computer aided packages. In the library LIBMAN package is provided to library staff regarding computerizing the library books, while office administration is connected through LAN system and staff members are trained to use the computers.

Evaluation Process and reforms

The evaluation methods include periodic unit tests and pre university tests the results of which are communicated to students through personal discussion. Notice is displayed on the notice board before the conduction of unit tests and pre university examination.

The institute monitor the progress of students after every test examination, the details of which are kept with respective head of the department. The progress in examinations is communicated to parents through telephonic discussion and letters.

Grievances regarding evaluation of papers are settled in a joint meeting with HOD, respective subject teacher and student concerned.

The college annually conducts pre university exam, to assess and monitor the performance of students based on syllabus taught according to teaching plan made. The institution ensures effective implementation through maintaining

strict discipline regarding timely conducting the examinations and giving the results on time and briefing and counselling them based on marks obtained.

Best Practices in Teaching Learning Process:

2.6.1 Significant innovation in teaching / Learning / Evaluation by the Institute

College always encourages the students for developing their personality through conduction of various cultural and sports activities throughout the year.

College conducts various programmes with the help of volunteers of NSS, NCC and Population education club, Women's Centre for study and Service for the betterment of the youth

All the teacher's regularly prepare lesson plans and teach accordingly after approval of teaching plan from the principal.

Lt.Pramod Wasake, Incharge NCC N.S.College, Bhadrawati has successfully completed PRCN/136 course in NCC at Officers Training Academy (OTA), Kamptee from 11th July to 8th October 2005.

One NET (Mr.V.G.Petkar) and two Ph.D. candidates (Dr.P.N.Nasare & Dr.S.R.Sitre) were appointed as lecturers in Marathi, Zoology and Botany subjects respectively during the academic session 2007-2008.

Criterion III : Research, Consultancy and Extension

3.1 Promotion of Research

The college has constituted research committee to facilitate and monitor research activity at the college level under the chairmanship of Officiating Principal Mr.S.D.Deo. The committee was as follows:

Mr.S.D.Deo (Chairman)

Mrs.A.B.Dhote

Mr.N.V.Harney

Mr.N.S.Wadhawe

Mr.A.D.Dahegaonkar

Mr.D.V.Bhavsagar

The above committee meets time to time and discuss about the research activities in the college. Principal and management always encourage and inspires to the teaching staff for doing research work.

Following were the decisions and activities taken during last five years (2004-2009).

Decisions :

The committee was decided to encourage and inspire teaching staff for doing research activities in the college.

The committee encouraged and inspired the college teachers to join M.Phil and Ph.D degree work in their respective subjects.

The committee encouraged and inspired the teachers to publish their research work in national and international journals.

The committee encouraged and inspired college teachers to participate in national and international conferences, seminars, workshops and asked them to publish their abstracts and oral presentation of their research papers in various conferences.

College encouraged and inspired teachers to interact with the scientists related with their respective subjects in conferences and seminars for their latest knowledge in their field of science and technology.

College encouraged and inspired to publish their research articles.

Committee also encouraged and inspired teachers to write research projects to various funding agencies of Maharashtra state and India.

Activities:

Following were the activities done by the college teachers during last five years (2004-2009)

Year 2004-2005

Mr.N.S.Wadhve, Head Dept. of Botany submitted synopsis for Ph.D. to Nagpur University, in January 2005 under the supervision of Dr.P.B.Nandkar, Professor, PGTD, Botany, RTM Nagpur University Campus which was approved by RRC of Nagpur University, Nagpur in June 2005. The title of Ph.D.Topic was “ Paddy field algae of Chandrapur district” (Please see Annexure 1).

Mr.N.V.Harney, Dept. of Zoology submitted synopsis for Ph.D. in January 2005 under the supervision of Dr.A.Dhamani , Principal, Sarvodaya Mahavidyalaya, Sindewahi, Dist. Chandrapur and Dr.R.J. Andrew as co-supervisor from Hislop College, Nagpur. It was approved by RRC of Nagpur University in June 2005. The title of Ph.D. thesis was “Studies on the biodiversity and physico-chemical status of three water bodies near Bhadrawati near chandrapur (M.S.)” (Please see Annexure 1).

Year 2005-2006

The research activities were extended in the college. Some of our college teachers were engaged in research activities.

- Mr.N.S.Wadhve and Mr.N.V.Harney initialized their Ph.D.research work after getting approval from RRC of RTM Nagpur University, Nagpur.
- Mr.S.D.Deo, Officiating Principal and Head Maths deptt. has registered for Ph.D degree under the guidance of Dr.K.D.Thengane ,R.S.Bidkar College,Hinganghat Distt.Wardha (Please see Annexure 1)
- Mr.D.Deo, Officiating Principal and Head Maths Dept. has published two abstracts in international conference on relativity at Amravati,(M.S). India (Please See Annexure 2)

Year 2006-2007

- In this year, Dr.K.D.Thengane had joined as a Principal of N.S.Science and Arts College, Bhadrawati on dated 16th May 2006.
- Based on the suggestions received from NAAC Bangalore, college has initialized research activities. Many of our teaching faculties were engaged

in active research. Some of the college teachers joined M.Phil degree work at Alagappa University, Karaikudi, Tamil Nadu (Please see Annexure 3)

- Dr.K.D.Thengane ,Principal of the college guided number of students for Ph.D.Degree (Please see Annexure 4)

Year 2007-2008.

- Mr.N.S.Wadhve (Botany) and Mr.N.V.Harney (Zoology) were engaged in their Ph.D.Work. They have published research abstracts in conferences / seminars.
- Dr.Praveenkumar N.Nasare and Dr.Shashikant R.Sitre has submitted their proposals for Ph.D. supervisorship in March 2008 to RTM Nagpur University, Nagpur in Botany and Zoology subjects respectively and were recognized as a guide in Botany & Zoology respectively.(Please see Annexure 6).
- In the year 2007-2008, Principal of the college Dr.K.D.Thengane constituted research committee under his chairmanship for conducting research activities in the college. The committee was as follows :

Chairman :

Dr.K.D.Thengane

Members :

Mr.S.D.Deo

Mrs.A.B.Dhote

Mr.N.V.Harney

Mr.N.S.Wadhawe

Mr.A.D.Dahegaonkar

Dr.P.N.Nasare

Dr.S.R.Sitre

Year 2008-2009

- In all, six lecturers of our college obtained M.Phil degree from Alagappa University, Karaikudi, Tamil Nadu. (Please See Annexure - 5).
- Dr.K.D.Thengane,Principal of N.S.College guiding 4 Ph.D Students in the maths and physics (Please see Annexure - 8).
- Ms.Kirti Waghmare has registered under Dr.S.R.Sitre (Co-Supervisor for Ph.D.) for Ph.D. in Zoology at RTM Nagpur University, Nagpur (Please See Annexure - 8)
- D.P.N.Nasare guided 4 students of Vinayaka Missions University, Salem Tamil Nadu for M.Phil degree. (Please see Annexure - 7)
- Dr.P.N.Nasare, Dr.S.R.Sitre, Mr.N.S.Wadhawe and Mr.N.V.Harney published abstracts in various conferences/ seminars (Please see Annexure - 9)

3.1.2 The institution promotes the faculty participation in research :

N.S.College is not a recognized Ph.D. Centre but some of the lecturers are engaged in individual research at their end through various research centres.

- By providing them NOC for Ph.D. work and inspiring them to complete Ph.D. as early as possible.
- By providing seed money to lecturers.
- Teachers are provided study leave to do research.
- Teachers encouraged students of Physics and Geography to undertake Research Project Work as per syllabus of RTM Nagpur University.
- Establishment of research committee for Projects and research activities in the college.
- Adjustment in teaching schedule for research as per the need.
- Some of the research facilities are available in each laboratory of respective department.

3.1.3 There is no provision in the institutional budget for conducting research and development work in the college.

3.1.4 The institution promotes the participation of students in research activities. In the year 2008-2009, 4 students from our college participated in “**Avishkar 2008**” (Research Festival) organized by SGB Amravati University at N.H.College, Bramhapuri, Dist.Chandrapur.

Following students were participated in “Avishkar-2008” (Research Festival).

Topic of Model : Global Warming

- Ms.Kiran Barapatre – B.Sc.II
- Ms.Harshana Turankar- B.Sc.II

Topic of Model : Biofertilizer Technology

- Ms.Shital Goswade- B.Sc.Final
- Ms.Shraddha Ramteke- B.Sc.Final

Ms.Kiran Barapatre and Ms.Harshana Turankar bagged IInd Prize for their model. Dr.K.D.Thengane, Principal, Dr.P.NNasare, Dr.S.R.Sitre, Mr.N.S.Wadhawe and Mr.N.V.Harney encouraged and inspired the students for participating in Avishkar 2008 and gave all possible help to complete their research models. Shri Nilkanthrao Shinde, Secretary Bhadrawati Shikshan Sanstha, Bhadrawati, Principal of the college Dr.K.D.Thengane and all the teaching and non teaching staff congratulated to them for their success in Avishkar-2008.

3.1.5 Major research facilities developed at the college

- Laboratories were updated with chemicals , equipments and other miscellaneous requirements to facilitate the research work and practicals of the students at college level.

Equipments in various laboratories : Various equipments were purchased time to time in various departments were given below.

Department of Botany

- Hot air oven, Colorimeter, Chromatography chamber, Camera Lucida, Light Microscopes, Dissecting Microscopes, PH Meter etc.
- Botanical garden and medicinal plants garden is developed.

Zoology Department

- Hot air oven, Chromatography chamber, Light microscopes, Egg incubator, PH meter, Rotary Microtome, Binocular microscope with light assembly etc.

Microbiology Department

- Hot air oven, Autoclave, Incubator, Refrigerator, Colony counter, weighing balance, Colorimeter etc.

Chemistry Department

- Conductometer, Potentiometer, Colorimeter, PH meter, Turbidometer, Oven, Distillation Plant Assembly, Digital Weighing Balance Pan, Refractometer, Calomel Electrode, Platinum Electrode etc.

Physics Department

- Audio oscillator, Ballistic Galvanometer, Cathode Ray Oscilloscope (CRO), E.S.of Planks constant, E.S.of R.C.Coupled Amplifier, E.S.of Amplifier, Spectrometers, Lattice Dynamic Kit, Newtons Ring Apparatus etc.

Computer Science Department

- No. of Computers – 15, Scanner-01, Printer 01 etc.

Geography Department

- Planimeter, Chain, Topo sheets, Prismatic Compass, Ringing Rod, Dumpy level , Dry and wet thermometer etc.

Home Science Department

- Gas connections, Refrigerators, Mixer, Sewing machine, Oven, Toaster, Blender machine etc.

3.1.6 Institution has collaboration with following institutions for collaborative research work.

- Dr.K.D.Thengane is linked with Dept . of Mathematics and Physics, RTM Nagpur University Campus, Nagpur. He is working as a guide for both the subjects and under his guidance students are working for Ph.D. degree.
- Dr.P.N.Nasare is linked with department of Botany RTM Nagpur Univesity Campus, Nagpur, and he is a recognized guide of RTM Nagpur University in Botany subject.
- Dr.P.N.Nasare is also linked with Periyar University, Salem, Tamil Nadu and Vinayaka Missions University, Salem Tamil Nadu as a M.Phil guide in both universities. He guided 10 students for Periyar university and out of ten, seven students awarded M.Phil degree in July 2009 (Please see Annexure-14). He also guided 4 students for Vinayaka Missions University.
- Dr.S.R.Sitre is linked with Sevadal Mahila Mahavidyalaya and Research Academy at Sakkardara Square, Umrer Road, Nagpur where 2 students viz.

- Ms.Kirti Waghmare and Mr.S.S.Gandhewar are registered for Ph.D. in Zoology and are doing their work at this centre.
- Mr.N.S.Wadhve is linked with Dept. of Botany , RTM Nagpur University, Nagpur for doing his Ph.D. work under the supervision of Dr.P.B.Nandkar, Prof. and Head Dept. of Botany, RTM Nagpur University, Nagpur.
 - Mr.N.V.Harney is linked with department of Zoology, N.H.Science and Arts College ,Bramhapuri, Dist Chandrapur for doing Ph.D.work. under the guidance of Dr.A.A.Dhamani and Dr.R.J.Andrew as a co-guide.
 - Mr.A.D.Dahegaonkar is linked with Institute of Science, Nagpur for doing his Ph.D. work under the guidance of Dr.Vilas Tabhane, and Dr.Kondawar of Shivaji Science College, Nagpur.
 - Mrs.A.B.Dhote and Mr.R.S. Hajare are linked with Lokmanya Tilak Mahavidyalaya, Wani, Dist. Yavatmal, working under the guidance of Dr.S. Aswale for doing Ph.D. work in Chemistry. They have registered their names for Ph.D. work in SGB Amravati University, Amravati.

3.2 Research and Publication Output

3.2.1 Details of Research Guides:

Three research guides are available in N.S.College (Please See Annexure - 6)

List of Students registered for Ph.D. and M.Phil under the supervisorship of following :

- Dr.K.D.Thengane (Please See Annexure - 8)
- Dr.P.N.Nasare (Please See Annexure – 7)
- Dr.Shashikant R.Sitre (Please See Annexure - 8)

List of Ph.D./ M.Phil Awarded in last 5 years : Please see Annexure - 4
Major achievements :

- Ph.D & M.Phil students awarded with degree.
- Teacher of the college awarded with M.Phil degree.
- Teachers of the college registered for Ph..D. work.

3.2.2 Details of the following :

- a) Department recognized as research centre : No
- b) Faculty recognized as research guides:

Following are the research guides of the college.

- Dr.K.D.Thengane (Maths & Physics)
- Dr.P.N.Nasare (Botany)
- Dr.S.R.Sitre (Zoology)

- c) Priority areas of research :

Following are the priority areas of research of the college teachers.

- Dr.K.D.Thengane – General Theory of Relativity
- Mr.S.D.Deo - Bimetric Theory of Relativity.
- Dr.P.N.Nasare - Mutation Breeding, Cytogenetics, Fungal Diversity, Limnology, Palynology, Biofertilizers.
- Dr.S.R.Sitre – Limnology & Aquatic Toxicology.
- Mr. N.S.Wadhav - Biofertilizers
- Mr.N.V.Harney – Limnology

- Mr.A.D.Dahegaonkar- Conducting polymers
- Mrs.A.B.Dhote - Antibiotics
- Mr.R.S.Hajare- Pain Killers
- Mr.G.R.Bedare- Dielectrics

d) Ongoing faculty Research Projects : There is no research project funded by any agency like UGC,DST ,CSIR, AICTE, NGO industry or any international agency. In the year 2008-2009 faculty members of our college Mr.N.S.Wadhve, Mr.N.V.Harney and Mrs.A.B.Dhote submitted research project proposals to Rajiv Gandhi Science and Technology Commission, Mumbai, Maharashtra (Please See Annexure -10)

e) Ongoing student research projects : Nil

3.2.3 Major Research Achievement of the College :

- Subject knowledge enhancement of the teachers
- Community development .
- Finding contributed to subject knowledge.

3.2.4 Papers published in Referred Journals by the faculty : (Please see Annexure 11)

Impact Factor :

- Mr.S.D.Deo - Pramana – 0.417
- Dr. S.R.Sitre - Bull.Envirn.Contam.Toxicol.- 0.609 (2008)

3.2.5. List of Publications of the faculty

- a) Books : (Please See Annexure – 12)
- b) Articles : (Please See Annexure - 13)
- c) Conference / Seminar / Proceeding : Research papers, Research Abstracts and Articles

Published.

- d) Course Material (For Distance Education) – Nil
- e) Research Papers & Research Articles (Please see Annexure -11)
- f) Software Packages and Other Learning Materials – Nil
- g) Any Other – Nil

3.3. Consultancy

3.3.1 The institution does not provide consultancy services but some of the departments of the college provide guidance and gives guidance whenever the students and needy people approach.

- Home-Economics department give guidance and advice on Embroidery, Food Preservation, Pickles, Jam and Jelly Preparations.
- Fashion Designing department giving guidance and advice on sewing of old and modern fashion clothes.
- Geography department giving guidance and advice on field survey of village/town/city, Resource survey (Minerals etc.), soil mapping etc.
- Microbiology department took the blood donation camp and blood group testing camp.

3.3.2 There is no expert available in the college.

3.3.3 There is no facility available in the college.

3.3.4 There is no revenue generation.

3.4 Extension Activities:

3.4.1 The various extension activities are –

□ National Service Scheme :

Students have participated in 15th August and 26th January Parades, Educational Camps ,Blood Donation Camp., Medical Camps. Tree Plantation, Erection of Kolhapuri Bandhara, ,awareness about villagers about superstition, child marriage problems, dowry system etc. under the guidance of Shri S.B.Tangade, Officer In-charge of NSS at College level. Students are given extra ten marks for this activity by RTM Nagpur University.

□ NCC

Under the guidene of Lt.Pramod Wasake Students have participated in 15th August and 26th January Parades, Medical Check Up Camps, Blood Donation Camps, Tree Plantation, Erection of Kolhapuri Bandhara, awareness about villagers about superstition ,child marriage problems, dowry system etc. Students are given extra 10 marks for this activity.

□ Women’s Centre for Education and Services

It is an establishment of Extension Department. This activity is run by RTM Nagpur University. The activity aims at understanding the educational social and personal problems of women. Mrs.A.B.Dhote is working as a programme officer at college level. Students participating in this activity are given 10 extra marks by RTM Nagpur University.

□ **Population Education Centre**

Mr.A.D.Dahegaonkar is coordinating the activity at college level. This activity aims to spread awareness about growing hazards about population explosion. Students are given extra 10 marks for this activity by RTM Nagpur University, Nagpur.

□ **Continuous Adult Education**

Mr.N.S.Wadhve is Co-ordinating this activity at college level . The main aim of this activity is to educate the illiterate people of the society through college activity. Students are given extra 10 marks for this activity by the RTM Nagpur University..

3.4.2 There are no outreach programmes organized by the institution.

3.4.3 By doing cleanliness programme., Shramdan, Awareness about family planning, Tree plantation, Blood Donation Camp, Awareness about Superstitions in the society.

3.4.4 College organized NSS camp at Chora, tahsil Bhadrawati, District - Chandrapur. The college has arranged NSS Camp with the partnership of Z.P.Chandrapur, Govt. of Maharashtra at Chalbardi under the scheme of Sant Gadgebaba Swchhatha Abhiyan and Hagandari Mukh Gram at Chalbardi in the year 2008-09.

- College is organizing various programmes under the scheme of university for the Women's under the activity of womens centre for educational and services, Population education centre, continuous adult education etc.

3.4.5 The local community is benefited by the institution through various extension activities like cleanliness programme, shramdan, awareness about family planning, tree plantation, blood donation camp, awareness about superstitions in the society etc.

3.4.6. Institution always involve the community in its extension activities. But at Chalbardi NSS Camp the people of the village involved in building toilets at their homes with the help of NSS volunteers under the programme of Maharashtra Govt. i.e. Sant Gadge Baba Swchhta Gram Abhiyan and Hagandari Mukht Gram Yojana.

3.4.7 There is no recognition or awards by the faculty, students, institution for the extension activities during the period of 5 years (2004-2009).

3.5 Collaborations

3.5.1 Collaborative Activities of the Organisation :

- Local Bodies/Community: With the collaboration of local body i.e. Nagar Parishad, Bhadrawati and N.S.Science and Arts College, Bhadrawati, tree plantation was done in college campus and in Bhadrawati city.
- With the collaboration of Range Forest Office, Bhadrawati range tree plantation was done in college campus on “World Earth Day” 21st March 2009.
- With the collaboration of Z.P.Chandrapur college organized NSS Camp at Chalbardi under the scheme of “Sant Gadge baba Gram Swchhata Abhiyan” and Hagandari Mukh Gram Yojana of Maharashtra Government..
- With the collaboration of “Akashwani” Chandrapur, college organized quiz competition on Dr.Babasaheb Ambedkar for students of the college and broadcasted on Akashwani.
- With the collaboration of Maharashtra Government college organized NSS camp at Chalbardi under the scheme of Sant Gadge baba Gram Swchhata Abhiyan and Hagandari Mukh Gram
- National: Under the programme of Central Govt. college celebrated Communal Harmony Week in the year 2008-09.
- International: No
- Industry : No
- Service Sector : No
- Agriculture Sector : No
- Administrative Agencies : No
- Any Other: No

3.5.2 a) Curriculum Development

b) Internship : No

c) On the job training : No

d) Faculty exchange and development : No

e) Research : Some of the teachers of our college are engaged in part time research activities in various recognized research institutions.

f) Consultancy : College is giving free consultancy services on embroidery, food preservation, jam preparations etc. whenever the people approach to home economics department by our teachers.

g) Extension : College is always engaged in various extension activities like cleanliness programme, shramdan, awareness about superstition in the society. Awareness about family planning in the society, awareness about illiteracy in the society, importance of blood donation and blood group testing.

h) Publications : College teachers always publish research papers in national and international journals, writing books and articles. In this regard, please see Annexure No. 11,12,13.

i) Student Placement : College has placement cell working under the guidance of Mr.S.B,Tangade. Ms. Rashmi Sanodiya is selected in Apex company,Chandrapur (M.S.) thorough placement cell of our college.

3.5.3 There is no MOU between any sort of agency.

3.6 Best Practices in Research, Consultancy and Extension:

3.6.1 Teachers of the college publish research papers in national and international journals, writing books and articles.

- Under the consultancy program, college is giving consultation free of charge to the people in food preservation, embroidery , jam preparations by the home economics department. Geography department is providing consultation in field survey resource survey, soil mapping etc. Microbiology dept. is also giving consultation to the students of the college in blood grouping and various sample examinations with the collaboration of Shinde Multispeciality Hospital and Research Centre under the guidance of Dr.Vivek Shinde and Dr.Vaibhav Shinde.

- Under the extension activities college is creating awareness about illiteracy in the society, superstitions in the society, unemployment problems in the society, environmental pollution problem, family planning problems in the society through NSS and NCC volunteers.

Criterion IV : Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Infrastructure Facilities available for

a) Academic activities

There are spacious and airy class rooms for each class for academic activities. Separate departments are available for each subject. For teaching staff staff room is available. For RTM Nagpur University examination there is a separate examination department in our college. A library with comfortable seating arrangements for reading room is available in this college.

b) Co-curricular activities are taken under the various departments such as NSS, NCC, Adult Education, Women's centre for Studies and Services to create awareness among the college students in various subjects like environment, unemployment, literacy, superstitions etc.

c) Extra curricular activities and sports- The extracurricular activities are conducted under Geo club, Marathi Wangmay Mandal. For sports there is a play ground where the boy's and girls of this college play basket ball, cricket, volley ball, kabaddi, kho-kho, running, archery etc. A well equipped gym is also available for boys and girls of this college to make themselves fit.

4.1.2 Master Plan of the college campus indicating existing physical infrastructure and the projected future expansions.(Map is attached separately).

4.1.3 Yes, the institution has augmented the infrastructure to keep pace with its academic growth like starting new courses and providing the students the best available facilities. The details are as mentioned below:

Facilities available:

- College has purchased 2394 books of Rs. 4,69,151 during the last five years (2004-2009).
- Internet facility is made available.
- College has its own website www.nscollege.co.in
- Botanical garden is developed.
- Well furnished meeting hall is available.

Amount spent during last 5 years: College pays the rent for the building to the owner of this land. and the rent of the building is 1303940

4.1.4 Yes, the institution provides facilities like teachers common room, women's student common room in the college premises.

4.1.5 As per the need, the college has the building for running various courses like B.A.,B.Sc, M.A., M.Sc.and PGDCCA for which separate rooms are provided in the multistoried newly built building.

4.1.6 There are no differently-abled students enrolled in our college.

4.2 Maintainance of Infrastructure

4.2.1 Budget Allocation for the maintainance (Last year's data)

- a) Land : Owner of the college land is management.
- b) Building : Rented building is provided by the management of the college.
- c) Furniture : Rs.3,07076/-
- d) Equipment : 101650/-
- e) Computers : 4,42,285/-
- f) Vehicles : College has no own vehicle registered for its use.

4.2.2 The institute has utilized maximum (optimal) allocation of the budget for various activities like furniture, computers, sports, library etc. The principal of the institution discusses the issue with college management and then allocates the funds for respective heads accordingly.

4.2.3 Yes, the institute appoints staff for maintainance and repair frequently as per the need.

4.3 Library as a Learning Resource

- 4.3.1 No, presently we do not have any library advisory committee at our end. But all the head of the departments and Principal of the college meet and discuss their requirements as per the need.
- 4.3.2 Librarian of this college access the books subject wise and issue the books as per demand of students/ teachers of this college. Night watchmen is appointed by the management for college and library security.
- 4.3.3 In the library, computer facility is available in which LIBMAN package is available.
- 4.3.4 The library ensure purchase and use of current titles, important journals and other materials .

Amount Spent during last 5 years on :

- New books - Rs. 4,69,151 /-
- Journals - Rs. 5,400/-

- 4.3.5 There is no internet in the library, but software LIBMAN is provided to librarian.
- 4.3.6 The library services are till date not computerized, the work of which is going on.
- 4.3.7 No, the institution does not make use of INFLIBNET/DELNET/IUC facilities.
- 4.3.8 As per demand of the students / teachers the books were purchased according to syllabi.
- 4.3.9 There is no interlibrary borrowing facility.
- 4.3.10 There are no facilities for visually challenged persons.

4.3.11 Infrastructural developments of the library over the last two years-

In the newly constructed building a well developed library with comfortable seating arrangement & well librarian office is available. LIBMAN software is used in the library for smooth functioning of the library.

4.3.12 Reading room facility with seating arrangement is provided to students and staff.

4.4 ICT as Learning Resources

4.4.1 Yes, the institution has up to date computer facility.

Details about hardware and software :-

- No. of computers - 25
- Computer/ Student ratio - 25 : 1021
- Stand alone facility - NIL
- LAN facility- Yes
- Configuration-

System

- Microsoft Windows XP Professiona
- Version 2002 Service Pack

Computer

- Intel ®
 - Pentium (R)4, CPU 3.00 GHz.
 - 2.99 GHz, 504 MB RAM
 - Physical Address Extension
- Licensed software- LIBMAN

4.4.2 There is no central computing facility.

- 4.4.3 Computer aided teaching is done in microbiology department in B.ScI wherein some part is taught on computers related to the syllabus.
- 4.4.4 Yes, the institution has designed and developed its website: www.nscollege.co.in. This website is upgraded every year.
- 4.4.5 As per need the college upgrade its computer system. Maintenance of computers is done every year.
- 4.4.6 Computer and its accessories are maintained through annual maintenance contract.

4.5 Other Facilities

4.5.1 Give details of the following facilities:

- a) Capacity of the hostels : There are no hostels available in college.
- b) Occupancy: Nil
- c) Rooms in the hostel : Nil
- d) Recreational facilities: Nil
- e) Sports and Games facilities : We have following games facilities :

Outdoor Games:

Cricket, Volleyball, Archery, Basket ball, Running, Kabbadi, Khokho

Indoor Games:

Chess, Carrom etc.

f) Health and Hygiene : Shinde Multispeciality Hospital and Research Centre with trained nurses and qualified and full time doctors are available for students and teachers.

4.5.2 There is no participation of women in inter and intra institutional sport competitions.

Cultural Activities – Girls of this college take part in cultural activities under the NSS, WCSS, PEC, CADP programmes time to time.

4.5.3 Common facilities available in the institution

- Staff Room
- Vehicle parking
- Guest Room
- Conference room
- Drinking water facility
- Meeting hall
- Big Auditorium

4.6 Best Practices in Infrastructure and Learning Resources

4.6.1 College has developed and maintained a good quality botanical garden and a well furnished auditorium for the betterment of students and staff.

Criterion V : Student Support and Progression

5.1 Student Progression

5.1.1 Socio Economic Profile of the last two batches of the students (General, SC/ST,OBC etc.)

Category	Session 07-8	Session 08-09
General	8.14 %	8.71 %
SC	27.00 %	25.46 %
ST	10.36 %	8.61%
OBC	43.56 %	47.79 %
Others	10.94 %	9.43 %

5.1.2 Efforts made by the institution to minimize the dropout rate and facilitate the students to complete the course :

We encourage the students to complete the degree course by conducting unit test, oral questionnaires, home assignments, seminars and pre university examination.

5.1.3 On an average 10 % of our students goes from UG to PG.

5.1.4 Placement cell has been established in our college under the guidance of Prof. S.B.Tangade. Some of the companies visited the college for campus placement of students.. Apex Company of Chandrapur district has recently selected Ms.Deepthi Sanodiya.

5.1.5 There is no such facility in our institution to facilitate and support students to appear for any competitive examination. But we are about to commence coaching for the students who are desirous to appear for such examinations.

5.1.6 Comparative analysis of the institutional academic performance with reference to other colleges of affiliating university and the university average.

- Pass percentage – Average 20%
- Distinctions - Nil
- Gold Medals – Nil
- University Ranks - Nil
- Marks obtained in relation to university average – (Last 5 years. data)
- With respect to above parameters, we don't have any such student who secured distinction, obtained gold medal and university rank. But we have the detailed information about the students who have passed university examinations and the data has been given in Part –I Institutional Data under Criterion V –Student Support and Progression on pg. no. 27 and 28.

5.2 Student Support

5.2.1 Yes, the institution publishes its updated prospectus every year before the session starts. Our college also publishes “Shabdashilp” annually in the interest of students which contains articles, poems etc compiled by the students.

5.2.2 Yes, our college provides financial aid to the students who have performed well in the university examinations in various subjects under the heads:

- Late Yashwantrao Shinde Smruti Scholarship in Science faculty (B.Sc.I & II- Highest Marks)

- Late Matoshree Yamunabai Shinde Smruti Scholarship in Arts faculty (B.A I & II – Highest Marks)
- Late Madhukarrao Shinde Smruti Scholarship in Science faculty (M.Sc.I –Highest marks)
- Late Panjabrao Shinde Smruti Scholarship in Arts Faculty (M.A.I – Highest Marks)
- Late Shrinivasrao Shinde Smruti Scholarship in Home Economics (M.A.I-Highest Marks)
- BPL Student Book Distribution (10 students in Arts & Science faculty)
- University Topper from college at B.A & B.Sc.Final year will get certificate, memento and prize.
- Students from Arts and Science stream (Ist and IInd Topper) will get a cash prize.

5.2.3 There is no scheme for student welfare under the following heads:

- | | |
|---|-----|
| <input type="checkbox"/> Insurance- | Nil |
| <input type="checkbox"/> Subsidized canteen facilities- | Nil |
| <input type="checkbox"/> Special diets- | Nil |
| <input type="checkbox"/> Student Counseling support- | Yes |
| <input type="checkbox"/> Earn while you learn scheme etc. | Nil |

5.2.4 There are no overseas students in our college so no support services are provided to any overseas student.

5.2.5 Our college has a special cell for placement and counseling under the guidance of Prof. S.B.Tangade. He takes the nomination of the students who are interested in job and provides them every detail about the placement and gives counseling under the scheme.

5.2.6 The institution encourages and develops skills amongst students by regularly conducting seminars, guest lectures, and guiding them whenever the students approach them with any sort of difficulty.

5.2.7 Yes, the faculty always guides the students in academics as well as personal level to solve their daily problems.

5.2.8 There is no separate guidance and counseling centre for women students in the college.

5.2.9 No, there is no cell constituted for prevention of sexual harassment of women students at our college as till date there was no grievance.

5.2.10 No, there is no grievance redressal cell at N.S. Science & Arts College.

5.2.11 No, there is no provision or acquiring computer skills/literacy or all students in the curriculum.

5.2.12 Value added courses introduced by the institution to develop life skills, career training, community orientation ,good citizenship and personality development of the students- The college has introduced NCC, NSS, Continuous and Extension Education under this section programmes are taken to develop the above skills.

5.2.13 The institution ensure safety and security of the students, faculty and the institutional assets through deployment of a watchman at the main entrance of the college.

5.3 Student Activities

5.3.1 There is no alumni association. No data available regarding top ten alumni occupying prominent positions. No alumni has contributed to development of the institution till date as per the records

5.3.2 Yes, the institute encourages the student in extracurricular activities like participation in sports and games. The students participated in “ Avishkar 2008” a research festival organized by Sant Gadge Baba Amravati University, Amravati at N.H.College Bramhapuri, in Chandrapur district.

5.3.3 The institution involves and encourages students to publish materials in the college varshikankank every year.

5.3.4 Yes, there is students council formed every year as per RTM Nagpur University directive. It consist of –

- Principal – Chairman ,
- One senior teacher nominated by Principal as In-charge of the student Council
- Teacher In-charge of NCC
- NSS Programme Officer

- One student of each class who has shown academic merit at the preceding year, who is engaging in full time studies in the said course nominated by principal,
- Director of sports and Physical education,
- One student from each of the following activities who has shown outstanding performance nominated by the principal- Sports, NCC, Cultural Activity,
- Two ladies students who have passed preceding examination and who is engaging full time study nominated by the principal belonging to SC,ST,NT and OBC

Major Activities:

- Supervise and coordinate various co-curricular activities of the students like dance, music, debate, dramatics,
- Recommended to the Principal/Dean/Director /Vice Chancellor as Chairman, the allocation to be made for all the activities to be undertaken during the said year and their financial estimates approved by the local managing committee.
- Allocate the fund for different co curricular activities,
- Submit an annual report about the activities conducted during the year,
- To make recommendations to the chairman regarding any matter affecting the corporate life and welfare of students in general.
- To make recommendation to the principal /Dean/Director/Vice chancellor or settling grievances of students.

- To make recommendations to the Principal /Dean/Director/Vice chancellor regarding facilities like library, laboratory, students common room auditorium etc.

5.3.5 Students council is the only academic body existing in our college which has student representation.

5.3.6 The institution does not have a mechanism to seek and use data and feedback from its graduates and from employers to improve the growth and development of the institution.

5.6 Best Practices in Student Support and Progression

5.6.1 The N.S.Science and Arts College,Bhadrawati provides scholarships like EBC and free ships to backward students, physically handicapped scholarships, PTC etc. For students betterment and progression. Each faculty conducts unit tests, oral seminars and home assignments as well as encourages students to express their views by writing poems, articles etc. in the college varshikank. Students are also encouraged to participate in programme conducted under the banner of NSS, in this way students develop their personality.

Criteria VI: Governance and Leadership

6.1 Institutional Vision and Leadership

6.1.1 Vision and Mission of the Institution

The aims and objectives of the society are to start the educational institution, school and colleges to provide education to backward and tribal classes who are deprived of this facility. The institution also cares for infrastructural development

of the society, free education to backward classes, scholarship and vocational guidance etc.

a) Our institution ensures higher education to all classes as per the higher education policies of education to produce good citizens for the welfare of the society.

b) The society gave rise to primary, secondary and higher secondary education in addition to this we also started senior college providing Arts and Science and Technical education.

6.1.2 For effective teaching and learning process the management always play a key role. The management provided the needed infrastructural facilities and requirements. Management of this institute always encourages the teachers to take part in seminars, workshops, conference, orientation, refresher courses of respective subjects for effective teaching, learning process. Management always inspires the teachers for higher education like M.Phil and Ph.D.degree who have not yet completed these degrees. Among the teaching staff 6 teachers have completed their M.Phil and 4 teachers took part in part time research work. Management encourages the teachers to complete the syllabus within the prescribed time and also inspire teachers to take unit test and pr-university exams after the completion of each unit or course. Teachers interact with students after that on university question paper of respective subjects. The teachers and management inspire personally the students to give serious attention to pre university examination so that they can perform well in the university examination. Institution started new subjects which are taught in university so the students need not go to any other college for these subjects.

6.1.3 Responsibilities are defined in the form of formation of various college level committees under the chairmanship of a particular teachers. The committees were constructed by the principal every year. The responsibilities are defined and communicated to the staff by conducting meetings and issuing notices time to time by the principal.

6.1.4 For college level management, head of the institution appoints committees for every function. After function is over management take feedback from the chairman of every committee through meeting.

6.1.5 Management encourage the staff members of this college to complete syllabus within the stipulated time and encourage the students to do well at their level. Management also encourage the staff to attend the UCC sponsored courses like orientation/ refresher as well as they are doing their Ph.D or research work in part time. College organizes various programmes for the students personality development.

6.1.6 The head of institution is very active and energetic. He always inspires to the teaching as well as students to improve their knowledge. He always work for the society by giving effective speeches.

6.2 Organizational Arrangements

6.2.1 Management Body

1. Local Management Committee (LMC):

- | | |
|---|----------------------------|
| <input type="checkbox"/> Smt.Nilimatai N.Shinde | Chairperson |
| <input type="checkbox"/> Shri Nilkanthrao Y.Shinde (Ex.MLA) | Secretary |
| <input type="checkbox"/> Dr.Keshao D.Thengane | Principal/ Secretary – LMC |

<input type="checkbox"/> Dr.Vivek N.Shinde	Member
<input type="checkbox"/> Shri Mohan S.Pusnake	Member
<input type="checkbox"/> Shri Jayant A. Wankhede	Member
<input type="checkbox"/> Shri Ravindra S.Shinde	Member
<input type="checkbox"/> Shri Shailendra D.Deo	Teacher's Representative
<input type="checkbox"/> Smt.Aparna B.Dhote	Teacher's Representative
<input type="checkbox"/> Shri Pramod M. Wasake	Teacher's Representative
<input type="checkbox"/> Shri Dilip M.Shinde	Non Teacher's Representative

Executive Directors:

<input type="checkbox"/> Smt.Nilimatai N.Shinde	Chairman
<input type="checkbox"/> Shri Nilkanthrao Y.Shinde	Secretary
<input type="checkbox"/> Shri Mohan S. Pusnake	Member
<input type="checkbox"/> Shri Vishwasrao G.Shinde	Member
<input type="checkbox"/> Dr.Vivek N.Shinde	Member
<input type="checkbox"/> Dr.Vaibhav N.Shinde	Member
<input type="checkbox"/> Shri Jayant A.Wankhede	Member
<input type="checkbox"/> Shri Kartik N.Shinde	Member
<input type="checkbox"/> Shri Vishal N.Shinde	Member

Academic Body

<input type="checkbox"/> Dr.K.D.Thengane	Chairman
<input type="checkbox"/> Shri S.D.Deo	Member
<input type="checkbox"/> Dr.P.N.Nasare	Member
<input type="checkbox"/> Smt.A.B.Dhote	Member

- | | |
|--|--------|
| <input type="checkbox"/> Dr.S.R.Sitre | Member |
| <input type="checkbox"/> Shri N.V.Harney | Member |
| <input type="checkbox"/> SHri N.S.Wadhve | Member |
| <input type="checkbox"/> Shri P.M.Wasake | Member |

Administrative Body

- Dr.K.D.Thengane
- Shri K.D.Bhoyar
- Shri A.N.Asutkar
- Smt. S.D.Bhavsagar
- Shri N.S.Wadhve
- Dr.P.N.Nasare
- Dr.S.R.Sitre

6.2.2 Under the guidance of principal sub committees are formed and they work hard for smooth functioning of the college. The principal appointed the heads of the department to govern every section of education separately to improve the quality of education at their level.

6.2.3 In our college, there is good co-ordination between teachers, principal, non teaching staff and management. There is co-ordination between students and teacher through personal contact process. Through this encouragement to students is provided.

6.2.4 There is no grievance redressal cell at N.S.Science and Arts College, Bhadrawati, district Chandrapur.

6.2.5 In an academic year management meet 4 times with the staff. Following issues are discussed by management with staff viz. Admission, Syllabus completion, Examinations, Unit test, Local Enquiry Committee, Books/Chemicals and apparatus availability and stock to be required by each department every year. In the last meeting management discuss about examination with staff members. The management also discuss about seating arrangement of the examinees and about the appointment of invigilators and other supporting staff.

6.2.6 In our college there is no cell to prevent sexual harassment of women staff.

6.3 Strategy Development and Deployment

6.3.1 The head of the institution conduct the meeting with teaching, non-teaching and student representatives for development of the institution. In such meetings, the discussion about the various development programmes such as seminars, conferences, workshops and college functions were held.

6.3.2 All the staff members of our college are punctual and they work for the betterment of students as well as college and society. College has conducted the NSS camp in rural village for the development of better life style, education, literacy, sanitation, superstitions for the upliftment of the villagers.

6.3.3 The committee's are as follows : Academic, finance, infrastructure, faculty recruitment, extension and linkage, examination. Each committee has a chairman. The committee member's work under the guidance of chairman.

The decision taken and date of meeting is mentioned in the respective college register. feedback mechanism.

6.3.4 Nil

6.3.5 Our institution collects various data and information obtained from the feedback in the form of files and computer data in which we have collected various information about decision taken by the management and about performance improvement.

6.3.6 Institute promotes the each faculty member to attend the seminar, workshop, conference and UGC sponsored courses, social programmes for updating their knowledge. Management always encourages to the faculty to undertake research activities in the college.

6.4 Human Resource Management

6.4.1 Self appraisal method is used for performance assessment of faculty and staff. In addition to this teaching is observed by the experts of different subjects to evaluate the teaching process. Some suggestions are given to improve the teaching/research of the faculty and service of the faculty by other staff.

6.4.2 The institution collects provident funds for the faculties and staff 's better future and security of life after retirement. It provides study materials for the improvement of the knowledge of the faculties.

- 6.4.3 College has recruited the staff as per university rules. As per the work load institution recruit the faculty and other staff as per the qualifications and norms laid down by the UGC from time to time.
- 6.4.4 Contributory lecturers were appointed by the head of the institution and the salary given as per UGC norms and contract basis lecturers appointed as per selection committee of RTM Nagpur University and salary given as per UGC norms.
- 6.4.5 One institution have special policies, resources and practices that support and ensure the professional development of faculty. Our institution makes arrangement every year for the participation of the faculty in the refresher / orientation courses, seminar, workshop etc. All the necessary steps are taken by the institution for the facilitation of the strategies.
- 6.4.6 The principal arranges faculty meetings ones a week to know about the needs of the faculty for overall development. He send the faculty to attend the UGC sponsoring courses like orientation / refresher.
- 6.4.7 The facilities provided to the faculty include well built class rooms, modern laboratories with all the infrastructural facilities to carry out the required practices as per syllabus. Permission to carry out research work, providing modern tools for effective teaching, calm , quite and pleasant beautiful garden for recreation.

6.5 Financial Management and Resource Mobilization

6.5.1 Yes, we receive government grant every year for the academic expenses.

Last 3 years income is :

Year	Salary Grant	Student Fees Collected
2006-2007	50,86,000/-	5,02,718/-
2007-2008	48,90,949/-	3,25,755/-
2008-2009	75,08987	2,75,507/-

6.5.2 We haven't received any donation during last two years. The fees collected from students from non aided courses are :

- Year 2007-2008 : Rs. 59,000/-
- Year 2008-2009 : Rs.23,20,492/-

6.5.3 Yes, there is adequate budget to meet the daily needs, which are met through the revenue generated from student fees.

6.5.3 Budget allocation over past two years :

- 2007-2008 : Rs. 5216604/-
- 2008-2009 : Rs. 7784494/-

6.5.5 Yes, the college accounts are audited every year regularly.

Details of internal audit process :

Day to day cash book and ledger is maintained which is inspected by registered auditor who provides audit statement which is submitted to Joint Director, Higher Education, Nagpur Division. After this Joint Director do the assessment through Administrative officer to check the audit done for granted courses only.

Details of external audit process:

After the check at Joint director level the account's officer of Higher and technical education of Maharashtra government do the audit of the college.

6.5.6 Yes, our institution has computerized its financial management system with respect to salaries of staff only.

6.6 Best Practices in Governance and Leadership

6.1.7 Our institution has appointed head of the departments to lead teaching successfully in every departments.

Criteria VII: Innovative Practices

7.1 Internal Quality Assurance System

7.1.1 For quality assurance, the chief of the institution, Local managing Committee and college management of our institution decided to increase the necessary infrastructure and use of computer LAN in principals office. To increase the books, journals, periodicals in library and for laboratory purposes institution supply necessary equipment and chemicals for conducting practicals in various laboratories of the college.

- 7.1.2 Students are encouraged to read books, journals, news papers and periodicals to make them aware about local and global information. They are also encouraged to do regular practicals in the laboratory as well as to improve their knowledge about the particular subject.
- 7.1.3 Students of our college attend the college regularly. They attend the unit tests, pre university test examination, students seminars, debates regularly as well. They attend practicals and perform different sorts of practicals as per the syllabus. Apart from this, the college arranges various programmes such as Independence day, teachers day, Gandhi Jayanti, and jayantis of various national leaders. Our college also conducts literary programmes, social awareness programmes and blood donation programme every year under the banner of NSS and students physical fitness under NCC. Moreover our college conducts programmes such as Mahila Adhyayan, Population Education, Extension and Adult Education.
- 7.1.4 Institution conducts various programmes of RTM Nagpur University such as NSS, NCC, Women's Centre for Education and Service, Population Education and Continuous Adult Education programmes. Under the above programmes institution organizes various social benefit programmes, such as cleanliness of village, tree plantation in deserted area, child marriage problems at village level, awareness about dowries, awareness about superstitions, medical check up camp and blood donation camp. To make aware about illiteracy various lectures were delivered by eminent personalities. Our students actively participate in all the above programmes.

7.1.5 Institution is adding value to the quality enhancement of the students in the following ways : Discipline in life, nationalism and patriotism, honesty, reading of books, by conducting various programmes on great personalities like Shivaji Jayanti, Mahatma Phule Jayanti, Savitribai Phule Jayanti, Ambedkar Jayanti, Tilak Jayanti, Teacher's day and many more.

7.2 Inclusive Practice

7.2.1 For social and economically backward class, the college provides the scholarship of Government of India through district social welfare officer time to time. We also provide free admission, free text books and bus pass facility to economically weaker section of the society in order to enhance the importance of education among the children.

7.2.2 Our institution cares for all cadres of the society. In the recruitment of teaching staff we sought to give appointment to schedule caste, schedule tribe and nomadic tribes as per the roaster and inform to the B.C. Cell of the university and we will fill the posts as per the roaster of the RTM Nagpur University, Nagpur.

7.2.3 To achieve gender balance among boys girls and teaching staff, our college arranges co-education system. We also arrange group discussion, seminars and debates among students and staffs.

7.2.4 Yes, our college has done the general audit. We have students abstracts for girls and boys on their roll. Our college conducts special courses for boys and girls to enable them to study separately.

- 7.2.5 Our institution makes a survey of rural and tribal students who are deprived of education. We prepare to admit them for higher education. We also give them free admission, provide the government scholarships and promote them to develop educationally.
- 7.2.6 We have trained non-teaching staffs and provided computer facility to record the incremental academic growth of the students admitted from the dis-advantaged sections.
- 7.2.7 The institution arranges teacher-parent meeting. In spite of that our faculties visit parent and enquire about students progress and their problems. This brings social justice to students.

7.3 Stake holder relationships

- 7.3.1 Stakeholder relationship is maintained by the institution by involving them directly in the planning, implementation and evaluation of the academic programmes. Group discussions are held, suggestions are taken from them for the successful academic programmes.
- 7.3.2 As per the need of society and student's, institution has introduced new programmes for learners. e.g. job oriented programmes like PGDCCA and Microbiology.
- 7.3.3 Skilled teachers with good communication skill, the well constructed multistoried building, well equipped laboratories, conference hall,

auditorium, and botanical garden are available. So the students are naturally attracted towards the institution looking into the available infrastructure and other things of the institution.

7.3.4 Under the extension activities, college tries to do the overall development of the students by conducting cultural programmes, spiritual lectures, students seminars and research activities under NSS and NCC. Population education club, women's Centre for social service and continuous education by organizing blood donation camp, cleanliness drive, free medical check up camp, environmental awareness rally, plantation programmes etc. through these activities we orient the society/ community.

7.3.5 Our institution arranges various national programmes such as the independence day, the republic day, public awareness programmes and co-curricular activities and tries to seek public support and involvement for the success of the programme.

7.3.6 Through various programmes of college such as NSS, NCC, Population education club, Women's study centre for extension and continuous education perform the various programmes for the villagers as well as people of tehsil place.

7.3.7 Our institution has given a special importance to population education and NSS and our students go around villages to make people aware of the facts and try to eradicate old customs and tradition in order to uplift them. Through the NSS, NCC activities, our institution actively support and strengthen the neighborhood community at the chalbardi NSS camp. The

students of our college try to solve the “Hagandari Mukht Gram” by erecting toilets for the villages and again cleanliness drive through NSS to make the village clean. Tree plantation to maintain the ecological balance. To protect the environment our college has fully supported by organizing rally. To enhance the economical status of the community we organize self employment campaign .

- 7.3.8 Our faculty members conduct extra tutorial classes, unit test, oral examination, pre university exam. for students, relative satisfaction for academic benchmarks and our faculty members update their knowledge by attending seminars, workshops, conferences and orientation and refresher courses.
- 7.3.9 After 12th result we visited every student personally by inviting them in college for seminars, by printing a Brochure and circulated to every student home through private agencies. Our institution teachers visited door to door of 12th pass students and this way we interact with parents and satisfy their queries and build relationship with students and their parent. We carry out extra classes, unit tests, group discussion, seminars and small project works. We make it sure that our students have got complete satisfaction our of the teaching-learning process and we convince them to put their problems without hesitation.
- 7.3.10 We build relationship with students by imparting them good and quality knowledge as well as solve their personal level problems any time and provide them necessary emotional support also. By taking unit test, seminars, pre university test, by giving home assignments, by doing this we enhance the performance of the students.

Their expectation of learning is fulfilled through solving their difficulties and providing them requisite guidance and respective teaching material on time.

7.3.11 The complaints whenever arise are settled by holding meeting with management and college principal. Based on that the management takes effective steps for improvement for the betterment of stakeholders up to their satisfaction.

Annexure -1**Research Activities of Teachers : List of Teachers****doing Ph.D.Work****Year : 2004-2005**

S. N.	Name of Teacher	Topic of the Thesis	Guide & Co-Guide	Place of Work
1	Mr.S.D.Deo (Mathematics)	Some aspects of Bimetric Relativity	Dr.K.D.Thengane R.S.Bidkar College, Hinganghat, Dist.-Wardha	PGTD of Mathematics, RTM Nagpur University Campus Nagpur
2	Mr.N.V.Harney (Zoology)	Studies on Biodiversity and Physico-chemical status of three water bodies near Bhadarawati, Dist.Chandrapur (M.S.)	Dr.Amir Dhamani, Principal, Sarvodaya Mahavidyalaya, Sindhewahi & Dr.R.J.Andrew Hislop College, Nagpur.	N.H.Science College, Bramhapuri, Dist- Chandrapur.
3	Mr.N.S.Wadhve (Botany)	Paddy Field Algae of Chandrapur District	Dr.P.B.Nandkar Prof & Head, Dept. of Botany RTM Nagpur University Nagpur.	PGTD of Botany, RTM Nagpur University, Nagpur

Annexure 2

Abstracts Published of the Faculty Members during 2005-06

Shri S.D.Deo (Head,Dept. of Mathematics & Officiating Principal)

- Nil contribution of perfect fluid in $[t - \sqrt{x^2 + y^2 + z^2}]$ type plane gravitational wave in Bimetric relativity. Souvenir cum Scientific Event Abstract ,International Conference on relativity (2005), SGB Amravati University, Maharashtra,India.
- Six dimensional static plane symmetric space-time with cosmic strings in biometric relativity. Souvenir cum Scientific event Abstract. International Conference on Relativity(2005), SGB Amravati, University, Maharashtra, India.

Annexure 3

**Initiative towards faculty development programme : List of Teachers who joined
M.Phil.Work : Alagappa University, Karaikudi, Tamil Nadu (India)
Year 2006-2007.**

S.N.	Name of Research Scholar	Dept.	Topic	Guide
1	Mrs.A.B.Dhote	Chemistry	Study of physico-chemical status of Khadki pond, Bengali camp, Bhadrawati	Dr.V.G.Deshmukh Gurunanak College, Ballarpur, Dist.Chandrapur
2	Mr.R.S.Hajare	Chemistry	Study of physico-chemical status of Tak Pond, Bhadrawati	Dr.V.G.Deshmukh Gurunanak College, Ballarpur, Dist.Chandrapur
3	Mr.A.D.Dahegaonkar	Physics	Surface morphology, Dielectric behaviour of composite polymer as Fly ash composite	Dr.Vilas Tabhane, Director, Institute of Science, Nagpur
4	Mr.G.R.Bedare	Physics	Dielectric measurements of low loss liquids at microwave frequency	Dr.B.M.Suryavanshi, Institute of Science, Nagpur
5	Mr.N.V.Harney	Zoology	Limnological Assessment of Kanhala Lake, Bhadrawati, Chandrapur District	Dr. A.Dhamani Principal, Sarvodaya Mahavidyalaya, Sindewahi.
6	Mr.N.S.Wadhve	Botany	Induction of Acquired resistance in Groundnut	Dr.M.C.Kale Anand Niketan College, Warora Distt.Chandrapur
7	Mr.A.B.Dupare	English	Evaluation of Critical Analysis of R.K.Narayan's "The Guide"	Mr.M,S.Wankhede, Dhanwate National College, Nagpur
8	Mr.S.B.Tangade	Marathi	Samaj prabodhnkar Agarkar : Ek Chikitsa	Dr.Sahare S.P.College, Chandrapur.

Annexure 4

**Ph.D. Awardees/ Submitted under the guidance of
Principal, Dr.K.D.Thengane, N.S.College, Bhadrawati
Year : 2006-2007**

S,No,	Name of Research Scholar	Subject	Title of Thesis
1	Shri D.N.Warade (2006) Head, Dept. of Physics, Science College, Tukum, Dist – Chandrapur.	Maths	Some plane wave solutions of field equations and their geometric properties in general relativity
2	Ku.J.K.Jumale (2006) Lecturer in Physics, R.S.Bidkar College, Hinganghat, Dist.- Wardha	Physics	Some plane wave solutions of field equations in general relativity
3	Shri I.S.Mohurley (2008) Head, Dept of Physics, Dnyanesh Mahavidyalaya, Dist -Chandrapur.	Physics	On plane gravitational waves in general relativity

Annexure 5

M.Phil Degree Awarded to Lecturers in the year 2008-2009.

Sr.No.	Lecturer	Topic	Year of Award / University	Guide
1.	Mrs.A.B.Dhote (Chemistry)	“Physico-chemical status of Khadki pond water, Bengali camp ,Bhadrawati”	May 2008 Alagappa Univ. Karaikudi T.N.	Dr.V.G.Deshmukh, G.N.College Ballarpur Distt.Chandrapur
2	Shri N.V.Harney (Zoology)	“Limnological status of the Kanhala lake at Bhadrawati Dist.- Chandrapur (M.S.)”	December 2008 Alagappa Univ. Karaikudi T.N.	Dr.A.A.Dhamani, Principal, Sarvodaya Mahavidyalaya, Sindewahi, Distt.Chandrapur
3	Shri N.S.Wadhve (Botany)	“Induction of Acquired Resistance in ground nut”	August 2008 Alagappa Univ. Karaikudi T.N.	Dr.M.C.Kale, Anand Niketan College, Warora, Distt.Chandrapur
4	Shri R.S.Hajare (Chemistry)	“Physico chemical status of Tak pond water, Bhadrawati”	May 2008 Alagappa Univ. Karaikudi T.N.	Dr.V.G.Deshmukh, G.N.College, Ballarpur, Distt.Chandrapur.
5	Shri G.R.Bedare (Physics)	“Dielectric measurements of low loss liquids at microwave frequency”	Jan.2009 Alagappa Univ. Karaikudi T.N.	Dr.B.M.Suryawanshi, Institute of Science, Nagpur
6	Shri P.R.Ramteke (Geography)	“Industrial development in Chandrapur district – A critical study”	May 2008 S.G.B. Amravati Univ. Amravati (M.S.)	Dr.D.S.Sinkar, HOD, Geography Dept., Govt.Vidarbha Institute of Science, Amravati.
7.	Ku.S.V.Taksande	A facile synthesis of 3,3'-distributed & 6,6'-distributed derivatives of BINOL	2007 RTM Nagpur University, Nagpur	Dr.(Mrs.)J.S.Meshram, Reader, Deptt. of Chemistry, RTM Nagpur University, Nagpur

Annexure 6

Registered Ph.D.Supervisors in the academic session 2008-2009

Sr.No.	Name of the lecturer	Subject	Registration No./ date of registration	University
1.	Dr.K.D.Thengane	Maths & Physics	Maths – No.ACAD/RECG/Guide/SD-2000/AC/1577 dt. 29/09/2000 Physics- No. ACAD/ Recog. / Guide/ BD-1814 dt. 23-12-2002	RTM Nagpur University Nagpur
2	Dr.P.N.Nasare	Botany	No.Ph.D.(Cell)/RRC/Guide/ 3639 B/700 Dated : 12/09/2008	RTM Nagpur University Nagpur
3	Dr.S.R.Sitre	Zoology	No.Ph.D.(Cell)/RRC/Guide/ 3625 B/ 686 Dated: 12/09/2008	RTM Nagpur University Nagpur

Annexure 7

**M.Phil Students guided by Dr.P.N.Nasare (Dept. of Botany)
Academic Session 2008-2009**

University : Vinayaka Missions University, Salem (Tamil Nadu), India

Sr.No.	Name of Student	Title of Dissertation
1	Ms.Shraddha S.Gunjekar Nagpur	Induction of Morphological Variants in <i>Ocimum sanctum</i> Linn. by using Physical and Chemical Mutagens
2	Ms. Ashwini Jaiswal Yavatmal	Fungal Diversity in Fruits and Vegetables of Weekly Market, Yavatmal, Maharashtra
3	Ms.Kirti P.Dumbhare Ghatanji, Distt.Yavatmal	Tissue culture study in <i>Ocimum sanctum</i> Linn.
4	Ms.Swati Wasekar Gadchiroli	Fungal Diversity in Food Grains of Wholesale Market Gadchiroli, Maharashtra

Annexure 8

**Students Registered under the Supervision of
Staff Members of N.S.College for Ph.D. in RTM Nagpur University**

Name of Guide	Name of the Student	Topic of Ph.D.	Status/ Registration Date
Dr.K.D.Thengane (Principal)	Shri A.A.Qureshi, S.P.College, Chandrapur	Plane waves in H-space- time of general relativity and non symmetric unified field theory.	Registered in 2007
	Shri D. Teltumbde, Govt. Science College, Gadchiroli.	Plane wave solutions in general relativity , non- symmetric unified field theory.	Registered in 2007
	Ms.Shital Gomkar, Janta Mahavidyalaya, Chandrapur.	Wave solutions of the field equations in general theory of relativity and non symmetric unified field theory.	Registered in 2007
	Shri G.Urkude, Govt. Resi.Women's Polytechnic Yavatmal.	A study on wave solutions of field equations in general relativity and unified field theory.	Registered in 2009.
Dr.S.R.Sitre (Co-Supervisor)	Ku.K.H.Waghmare (N.S.College, Bhadrawati)	Studies on Seasonal Variation of Flora and Fauna of Lohara lake Chandrapur District (M.S.) India, with Respect to Physico-Chemical Characteristics.	Registered in June 2008 (15/7/2008)
	Shri S.S.Gandhewar. (J.B.Science College, Wardha)	Impact of heavy metal toxicity on airbreathing freshwater fishes : <i>Clarias batrachus</i> (Linn.) and <i>Heteropneustes fossilis</i> (Bloch).	Registered in January 2009 (15/01/2009)

Annexure 9**List of Abstracts Published in Conferences and Seminars**

1. Wadhve N.S., Nasare, P.N., Harney N.V and Sitre S.R.(2008): Algal Diversity of Vinjasan Lake, Dist..Chandrapur, Maharashtra, India in UGC Sponsored National Seminar on Emerging Trends in Biodiversity Conservation on 20th Sept. 2008 at Santaji Mahavidyalaya, Nagpur.
2. Harney N.V.,Sitre S.R., Wadhve, N.S and Nasare P.N. (2008): Zooplankton biodiversity in a anthropologically affected freshwater lake of Bhadrawati town in chandrapur district of Maharashtra State in UGC Sponsored National Seminar on Emerging Trends in Biodiversity Conservation on 20th Sept. 2008 at Santaji Mahavidyalaya, Nagpur.
3. Nasare P.N., and Sitre S.R. Wadhve, N.S.and Harney N.V(2009): Aquatic plants of Masanghat Talao of Bhadrawati town of chandrapur district of Maharashtra India in Recent Trends in Biosciences at Institute . of Science, Nagpur on 20-21 jan.2009.
4. Wadhve N.S. , Nandkar P.B. Nasare P.N.(2009): Cyanophycean algae of paddy fields of Bhadrawati taluka of Chandrapur district of Maharashtra India in Recent trends in Biosciences at Institute of Science, Nagpur on 20-21st Jan.2009.
5. Harney N.V.,Sitre S.R., Wadhve N.S and Nasare P.N. (2009):Zooplankton biodiversity in Dudhala lake of Bhadrawati town in Chandrapur district of Maharashtra State in Conservation and Management of Lakes at Sardar Patel College, Chandrpur on 20th March 2009.

Annexure -10

Research Projects submitted for sanction

Sr.No.	Title of the Research Pre-Proposal	Name of Principal Investigator
1	Assessment of surface and ground water quality of Chandrapur and Gadchiroli District with special reference to fluoride content and health problems of the affected persons.	Mrs.A.B.Dhote Head, Dept. of Chemistry
2	Effect of Biofertilizer on growth and yield of paddy field in Chandrapur District	Mr.N.S.Wadhawe, Head, Dept. of Botany
3	Limnological Assessment and Database preparation of wetlands of Chandrapur District of Vidarbha region of the Maharashtra State (India)	Mr.N.V.Harney Head, Deptt. of Zoology

Annexure 11

**Published Research Papers of the Faculty Members
(Last Five Years : 2004-2009)**

S,No,	Authors	Title of Paper	Journal /Volume No. / Year
1	S.D.Deo & K.D.Thengane	N- dimensional static plane symmetric space- time in biometric relativity	Applied Science Periodical Vol. V, No. 2, 2003,86-88
2	S.D.Deo	Non existence of bianchi type VIo cosmological model with perfect fluid in Bimetric theory of Gravitation (II)	J. of Indian Academy of mathematics, Vol.25,No.1,2003 187-191
3	V.Mahurpawar & S.D.Deo	Five dimensional static plane symmetric space- time with cosmic strings in biometric relativity	J. of Indian Academy of mathematics, Vol. 25, No. 2, 2003 333-336
4	S.D.Deo	Axially symmetric Bianchi-I Vacuum solutions with background metric	J. of Indian Academy of mathematics, Vol. 25, No. 2, 2003, 337-339.
5	V.Mahurpawar & S.D.Deo	A static plane symmetric space-Time with cosmic strings in Bimetric Relativity	Applied Science Periodical Vol. V, No.3,2003 148-151
6	V.Mahurpawar & S.D.Deo	Nil contribution of cosmic strings to bianchi Type VI0 cosmological model in Bimetric relativity	The Mathematics Education Vol.XXX VII ,No. 3, 2003, 142-144
7	S.D.Deo	Uniform Anisotropic Vacuum solutions in Bimetric relativity	The mathematics Education Vol XXXVII, No. 3, 2003 161-163
8	V.Mahurpawar & S.D.Deo	On Bianchi-I cosmic strings coupled with Maxwell Fields in Bimetric Relativity	Pramana-Journal of Physics, Vol 61, No. 4, 2003, 655-658
9	S.D.Deo	On plane symmetric vacuum solutions of biometric relativity	Applied Science periodical Vol. V, No. 4, 2003 219-221
10	S.D.Deo	On Bianchi Type-V Vacuum Solutions in Bimetric Relativity	The Mathematics Education Vol. XXXVII No. 4, 2003, 203-205
11	S.D.Deo & K.D.Thengane	A static plane symmetric space- time in biometric relativity	Bulletin of the Calcutta Mathematical Society Vol 95, 2003 339-342
12	S.D.Deo	Axially symmetric bianchi-I vacuum solutions with background metric (II)	Applied Science Periodical Vol.Vi, No.1, 2004, 44-46

S,No,	Authors	Title of Paper	Journal /Volume No./Year
13	V.S.Mahurpawar & S.D.Deo	On Bianchi-I Cosmic Strings in Bimetric relativity	The Mathematical Education Vo. XXXVIII, No. 1, 2004 17-19
14	S.D.Deo & K.D.Thengane	Existence of $[\sqrt{x^2+y^2+z^2-t}]$ Type plane gravitational wave in biometric relativity	Tnsor New Series Vol 65, No.1, 2004, 13-17
15	S.D.Deo	Nil contribution of cosmic strings to plane symmetric space-time in biometric relativity (II)	Journal of Indian Association of Mathamatics Vol 26, No.1, 2004 77-80
16	V.Mahurpawar & S.D.Deo	On bianchi I Cosmic strings in Bimetric Relativity	Applied Science Periodical Vol. Vi, No.2, 2004 81-83
17	V.Mahurpawar & S.D.Deo	A uniform Anisotropic cosmological model with perfect fluid in biometric relativity	Mathematical forum Vol XVI, 2003-04 46-49
18	V.Mahurpawar & S.D.Deo	VI- Dimensional static plane symmetric space time with cosmic strings in biometric relativity	Journal of Indian Association of Mathamatics
19	S.D.Deo & K.D.Thengane	Nil contribution of perfect fluid in $[t/\sqrt{x^2+Y^2+z^2}]$ – Type plane gravitational wave in biometric relativity	Souvenir cum scientific events Abstracts ICR-2005 (International Conference on relativity-2005) 27
20	S.R.Kadhao & K.D.Thengane	$[x-\sqrt{t^2+t^2+t^2}]$ – type and $[\sqrt{t^2+t^2+t^2}/X]$ – type plane waves in four dimensional space times	Tnsor New Series Vol 67 (2006)
21	K.D.Thengane	Existence of $[z-1/\sqrt{3}(t_1+t_2+t_3)]$ – type and $[t_1+t_2+t_3/z\sqrt{3}]$ – type plane waves in V4 for biometric relativity .	The mathematics Education Vol.XL, No.1 March 2006
22	J.K.Jumale & K.D.Thengane	A generalization of plane wave solutions of field equations of Einsteins's general relativity in V5.	Tensor New Series Vol.689 No.3 (2007) 280-286
23	S.R.Gomkar, J KJumale and K.D.Thengane	Five dimensional plane wave solutions plane wave solutions in Bonnor and Schrodinger's unified field theory	Bulletin of Pure and Applied Sciences Vol 28 E (No.1) 2009 1-7

S,No,	Authors	Title of Paper	Journal /Volume No. / Year
24	N.V.Harney, S.R.Sitre, N.S.Wadhve & P.N.Nasare	Zooplankton biodiversity in a anthropologically affected freshwater lake of bhadrawati town in chandrapur district of Maharashtra.	Journal of Ecology & Fisheries Vol. I(1); 27-34 (2008)
25	P.N.Nasare, N.S.Wadhve, N.V.Harney & S.R.Sitre	Studies on phytoplankton diversity of Vinjasan lake in Bhadrawati town of Chandrapur district, Maharashtra	Journal of Ecology and Fisheries Vol II (1) 95-100 (2008)
26	Nasare P.N. and A.D.Chaudhary	Meiotic consequences of gamma rays, SA and EMS in <i>Ocimum sanctum</i> Linn.	Bioinfolet 6 (3) : 197-200 (2009)
27	Nasare P.N. Wadhve N.S. Harney N.V. and Sitre S.R.	Phytoplankton diversity of Khadki lake Bangali camp, Bhadrawati Distrrict Chandrapur, Mahjarashtra, India	Bioinfolet 6 (3) : 232-234 (2009)
28	Suresh B.Zade, Shashikant R.Sitre, and Rajendra V.Tijare	Occurrence of zooplankton in a perennial freshwater reservoir of Wadgaon dam during monsoon season at Nagpur District	Environment Conservation Journal 10(1 & 2): 81-83 (2009)

Annexure - 12

Books Published by Staff Members (2008-2009)

Sr.No.	Title of the Book	Author	Publisher & Year
1	Environment Science (Marathi Version)	Dr.P.N.Nasare	Das Ganu Publications, Nagpur May -2008
2	Environmental Studies (English Version)	Dr.S.R.Sitre	Allied Publishers, New Delhi January- 2009.

Annexure 13

List of Articles Published

Sr.No.	Title of Article	Author	Published in
1	Degrading Lakes of Bhadrawati District Chandrapur, Maharashtra State, India	N.V.Harney, S.R.Sitre, N.S.Wadhawe and P.N.Nasare	Souvenir of UGC Sponsored State Level Seminar on Conservation and Management of Lakes held at S.P.College, Chandrapur 20 th March 2009
2	Chandrapur jilhyatil paryavarniya Samasya	P.N.Nasare	Souveior of 43 rd All India Conference of Marathi vigyan Parishad Held at Anandwan Warora, Distt.Chandrapur 29.30 November and 1 st Dec.2008.

Annexure 14

**M.Phil Degree Awarded by Periyar University, Salem, Tamil Nadu (India)
Under the Guidance of Dr.P.N.Nasare**

**Academic Session 2007-2008
Awarded in July 2009**

S.N.	Name of the students	Titles of the Dissertations
1	Ms.Renuka Khangar Wardha	Effect of PGPR along with other bioinoculants on growth and yield of <i>Vigna radiata</i> (L) Wilzeck
2	Ms.Smita Selkar Wadrha	Effect of PGPR along with other bioinoculants on growth and yield of <i>Cicer arietinum</i> Linn.
3	Ms.Sapna Yadav Nagpur	Fungal diversity in food grains of Itwari Market, Nagpur and some eatables.
4	Ms.Sapna Godghate Nagpur	To Study the pollen morphology of some dicot family (Apocynaceae and Leguminoceae) of Nagpur, Maharashtra
5	Ms.Darshana Bhosle Nagpur	Algal diversity of Sakkardara lake, Nagpur, Maharashtra
6	Ms.Manisha Meshram, Nagpur	Algal diversity of Futala lake, Futala, Nagpur, Maharashtra
7	Ms. Abhilasha Dhore, Nagpur	Survey of medicinally important plants of Nagpur, Maharashtra

Declaration by the Head of the Institution

I Certify that the data included in this Re-Accreditation Report (RAR- 2009) are true to the best of my knowledge.

This RAR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this RAR during the Peer team visit.

Signature of the Head
Of the Institution with
Seal

Place : Bhadrawati

Date :